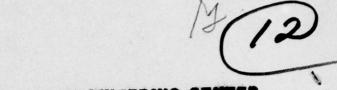


LAKEHURST, N.J

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NAVAL AIR ENGINEERING CENTER

REPORT NAEC-ENG-6703

LEVER

COMPILATION OF DATA COVERING AIRCRAFT SERVICING FACILITIES ABOARD AVIATION AND AMPHIBIOUS AVIATION SHIPS

REVISED - SEE BACK COVER



Ship Installations Engineering Department Aircraft, Weapons, Ship, and VLA Division Naval Air Engineering Center Lakehurst, New Jersey 08733

29 July 1960

Approved for public release; distribution unlimited

Prepared for

Commander (AIR-551)
Naval Air Systems Command
Washington, DC 20361

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Head, Aircraft, Weapons, Ship,

and VLA Division

Approved by:

F. B. BOICE

Engineering Officer, SIED

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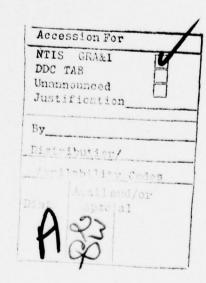
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I. INTRODUCTION

A. Military research and development create changes and innovations in military weapon systems concepts. The application of these changes and innovations tends to create many problems that must be resolved as quickly as possible to maintain optimum military effectiveness.

The aviation and amphibious aviation ships ability to perform its mission is dependent, to a high degree, on its capacity to effectively maintain and service its aircraft complement. To keep the aircraft in combat-ready condition and to enable the ship to efficiently perform its mission, it must be equipped with effective aircraft servicing facilities. These facilities are fueling and defueling, electrical starting and servicing, oxygen and nitrogen, aircraft inertial alignment and compressed air service.

B. To permit the user to better understand the complexity of the aircraft servicing systems found aboard aviation and amphibious aviation ships and to determine their effectiveness, a compilation of informative data was made and is presented herein. This compilation is based upon on-board surveys of these ships by NAVAIRENGCEN (SI) personnel.



II. SUMMARY

- A. All data presented in this report is a result of the implementation of a computer graphics system. Utilizing this system allows for a more efficient means of storing and generating this data. Changes to the report can be made with less difficulty and be forwarded expediently while maintaining a high level of cost effectiveness.
- B. This report has been organized to devote an individual chapter for each ship. Each chapter contains applicable tabular data with flight and hangar deck layouts in the following categories:
 - 1. 400 Hz aircraft electrical service
- 2. $28.5\ \mathrm{VDC}$ aircraft start/service and 440 VAC support equipment service
 - 3. Aviation fuel/defuel service (AV/GAS and JP-5)
 - 4. Compressed air service
 - 5. Combat readiness stations
 - 6. Oxygen and Nitrogen service
 - 7. Aircraft inertial alignment service
 - 8. Aircraft starting and cooling air service

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CATEGORY	Aircraft Electrical Service Guilet Summary (400 Hz) Aircraft Electrical Service Guilet Layout (400 Hz)	2 Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	3 Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	4 . Compressed Air Service Summary Compressed Air Service Outlet Layout	S Combat Readiness Station Service Summary Combat Readiness Station Layout	6 Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Duilet Layoui	7 Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	8 Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout

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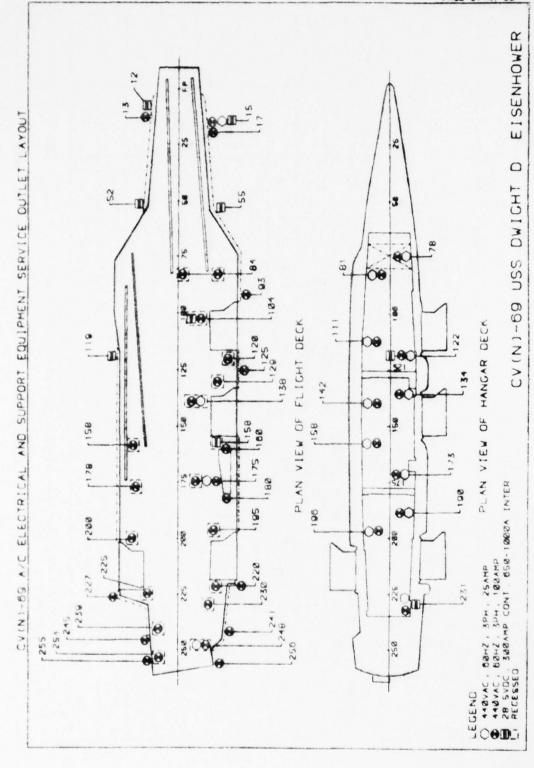
402HZ AIRCRAFT SERVICE Type 1 Type 11 Type 11 Type 11	AIRCRAFT SERVICE
20HZ	20HZ
02HZ	02HZ
402HZ AIRCRAFT	422HZ AIRCRAFT 0011ETS PH.115/288 VAC, 38KVA, 17PB 111 PH.115/288 VAC, 58KVA, 17PB 111 PH.115/288 VAC, 68KVA, 17PB 111
420Hz 1 pqv1, 111 eqv1, 111 eqv1,	28HZ
	DUTLETS PH.115/200 VAC.30KV PH.115/200 VAC.50KV PH.115/200 VAC.50KV

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY		
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START		
448 VAC SUPPORT EQUIPMENT SERVICE	FLT DK	HCR DK
448 VAC BOMZ, 3PH, 25 AMP	•	=
448 VAC, SBHZ, SPH, 60 AMP	NONE	NON
448 VAC, 68HZ, 3PH, 188 AMP	ı,	=
28 5 VDC A/C SERVICE AND START		
5 VDC, 200 AMP Continuous	NONE	NONE
S VDC, 300 AMP Cont, 600 to 900 A Inter	NONE	NONE
5 VDC, 688 AMP Cont , 688 to 988 A Inter	NONE	NONE
5 VDC, 308 AMP cont , 650 to 1826 A Inter	2	2
S VDC, 658 AMP Cont , 658 to 1888 A Inter	NONE	NON

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Section 2

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AVIATION FUEL SERVICE			
AVIATION CASOLINE AND JP-5			
		AV/CAS	JP-5
I CAPACITY GAL 95%		NONE	3,446,864
2 SERVICE OUTLETS			FLT OK 14
3 HOSES PER OUTLET	NOTE 1		FLT DK 2
* SERVICE OUTLET CAPACITY, GPH/PSI	NOTE 2		1 09
a TWO OUTLETS OPERATING			208/48
b FOUR GUTLETS OPERATING			288/10
C SIX OUTLETS OPERATING			288/18
S DEFUELING CAPACITY PER SERVICE OUTLET GPM			881
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COMPRESSED AIR LOV PRESSURE 1 SERVICE OUTLETS @ 125 PSI REDUCED PRESSURE 1 SERVICE OUTLETS @ NOME		
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TS @ 125 PSI	FLT DK	£ 9
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15.0		
	¥	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS & 1880 PS!	¥	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS . 1800 to 3000 PSI (VARIABLE)	¥	MOM
HIGH PRESSURE		
SERVICE OUTLETS - 3000 PS!	¥	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS .	¥	NOME

58

OXYGEN AND N	OXYGEN AND NITROGEN SERVICE SUMMARY	SUMMARY
OXYGEN		
STORAGE CAPACITY, LIQUID GALS	2 ,866	
GENERATING CAPACITY CPH	91	
SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK
4 SERVICE OUTLETS, CASEOUS	FLT DK NONE	HGR DK 1 d
NITROGEN (OIL FREE)		
STORAGE CAPACITY, LIQUID CALS	2 ,866	
SERVICE CUTLETS	FLT DK 39	HCR DK 46, 11, 39
NITROGEN		
STORAGE CAPACITY of 3000 PS!		
SERVICE DUTLETS	FLT DK	HGR DK
NOTES PRESSURES (PST)		
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1986 d 2080 f 3000	200	
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AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY AIRCRAFT INERTIAL ALIGNMENT SYSTEM		1 ALIGNMENT GUTLET BOXES (ANALOG/DIGITAL)	noice: agres						

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4	Compressed Air Service Summary Compressed Air Service Outlet Layout	7 8
S	Combat Readiness Station Service Summary Combat Readiness Station Layout	o <u>ö</u>
Q	Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Ouilet Layout	12
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60	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout	51

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AIRCRAFT ELECTRICAL SERVICE DUTLET SUMMARY	1CE	-								
CAL SERVICE	400HZ AIRCRAFT SERVICE									
AFT ELECTRI	480HZ		200 VAC . 30KVA , TYPE 1	C. SEKVA, Type III	IC , SBKVA , Type I	200 VAC, GONVA, TYPE 111				
AIRCE		SERVICE OUTLETS	406HZ ,3PH ,115/200 VA	400Hz , 3PH , 115/200 VAC , 30KVA , Type 111	108HZ ,3PH ,115/200 VAC ,68KVA ,1ype	400HZ ,3PH ,115/200 VA				
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AZC START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY		
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START		
440 VAC SUPPORT EQUIPMENT SERVICE	FLT 08	¥0 %
440 VAC BOHZ, 3PH, 25 AMP		=
418 VAC, 68HZ, 3PH, 68 AMP	A A	ğ
440 VAC, 60HZ, 3PH, 180 AMP	3	=
28 5 VOC A/C SERVICE AND START		
28 5 VDC, 200 AMP Continuous	NONE	NONE
28 5 VDC, 500 AMP Cont , 600 to 900 A inter	NON	NONE
28 5 VDC, 688 AMP Cont , 688 to 988 A Inter	NO.	NO.
28 5 VDC, 300 AMP cont , 650 to 1000 A Inter	•	~
28 S VDC, 658 AMP Cont , 658 to 1888 A Inter	NOVE	NOVE

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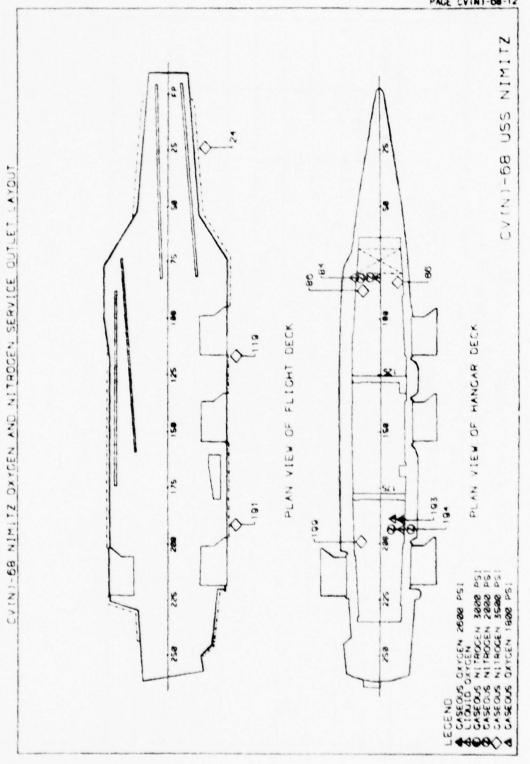
AVIATION FUEL SERVICE		
AVIATION GASOLINE AND JP-S		
	AVZCAS	3-91
1 CAPACITY CAL 95x	Š	3,189,612
2 SERVICE OUTLETS		10 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3 HOSES PER OUTLET		FLT DR 2
4 SERVICE OUTLET CAPACITY, CPH/PS!		200718
& TWO DUTLETS OPERATING		286/48
D FOUR DUTLETS OPERATING		288/48
G SIX OUTLETS OPERATING		298/48
S DEFUELING CAPACITY PER SERVICE GUTLET CPM		8
8 DEFUELING CAPACITY PER PORTABLE PUMP CPM		33
MOTES MO	-236-2, 8	1-237-1

Parents A

COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOW PRESSURE	FLT 04	5
SERVICE DUTLETS . 125 PSI	,	•
REDUCED PRESSURE		
SERVICE OUTLETS .	NONE	NONE
MEDIUM PRESSURE		
SERVICE OUTLETS . 1888 PS!	NONE	NO.
MEDIUM TO HIGH PRESSURE		
SERVICE OUTLETS . 1880 to 3000 PSI (VARIABLE)	NOVE	ğ
HICH PRESSURE		
SERVICE OUTLETS . 3200 PS!	NONE	ğ
TIRE CHANGING AIR		
SERVICE DUTLETS 0	NONE	9
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NACC-ENG-0703 REV 15 PAGE CVIN1-58-9 8 9 10 11 21 31 41 51 6 N 18 × × × × × × × × × × × × × SERVICE SUMMARY × × × × × × × × STATIONS × × × × × × × × × × × × × × 1 × × × × × 0 × × × × S × × 4 × × × × STATION M × × × × × N × × × × × × READINESS Type 1111 18334 Inter Inter Type GOOA Inter 68 KVA , Type (ANALOC/DICITAL) 19904 1800A 38 KVA 30 KVA BO KVA 0 0 COMBA 0 0 68 HZ , 3PH , 186A 3PH , 115/280 VAC 658 889 659 880 3PH, 115/280 VAC 3PH, 115/200 VAC 3PH, 115/200 VAC MZ . 3PH , 25A 68 HZ, 3PH, 58A SERVICES Con 5 VDC, 280A Con! 5 Cont Coni OUTLET OUTLET 322A 650A 600A 800A STARTING AIR SINS (SINCLE 448 VAC, 68 COOLING AIR SINS COUAL 200 8 88 448 VAC. Š . I 488 Hz . 496 HZ PECESSED 406 HZ . 448 VAC S S 100 28 82 88 8

DXYGEN AND NITROGEN SERVICE SUMMARY	GEN SERVICE SUM	A A A
OXYGEN		(m)-0
1 STORAGE CAPACITY, LIQUID GALS	2 .800	
2 GENERATING CAPACITY OPH	91	
3 SERVICE GUTLETS, LIQUID	FLT DK NOME	HCR DK 2
4 SERVICE OUTLETS, CASEOUS	FLT DK NONE	HCR DK 1 d
NITROGEN (OIL FREE!		
1 STORACE CAPACITY, LIQUID CALS	2 ,808	
2 SERVICE OUTLETS	FLT DK 39	HCR DK 4°,1',39
NITROGEN		
I STORACE CAPACITY OF 3000 PS!		
2 SERVICE DUTLETS	FLT DK	HGR DK
NOTES PRESSURES (PSI)		
a 1868 c 2888 • 2880 c 3880 g 3580	1 5000	
P 1066 G 2589 (3888) 588		
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AIRCRAFT INERTIAL ALIGNMENT AIRCRAFT INERTIAL ALIGNMENT SYSTEM ALIGNMENT DUTLET BOXES (AMALOCODIGITAL) 22 7 22 7
AIRCRAFT INERTIAL ALIGNMENT AIRCRAFT INERTIAL ALIGNMENT SYSTEM (AMALOGODIGITAL)
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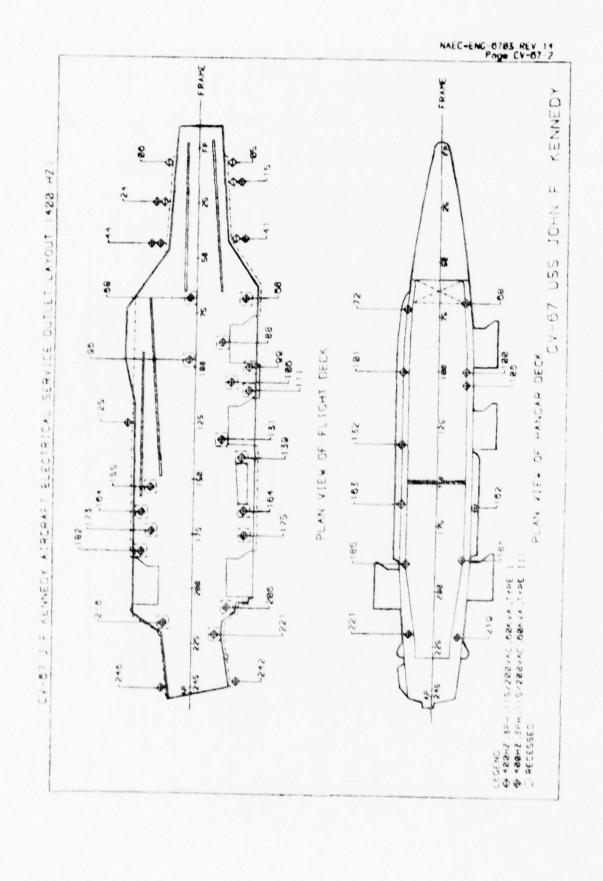
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USS JOHN F KENNEDY

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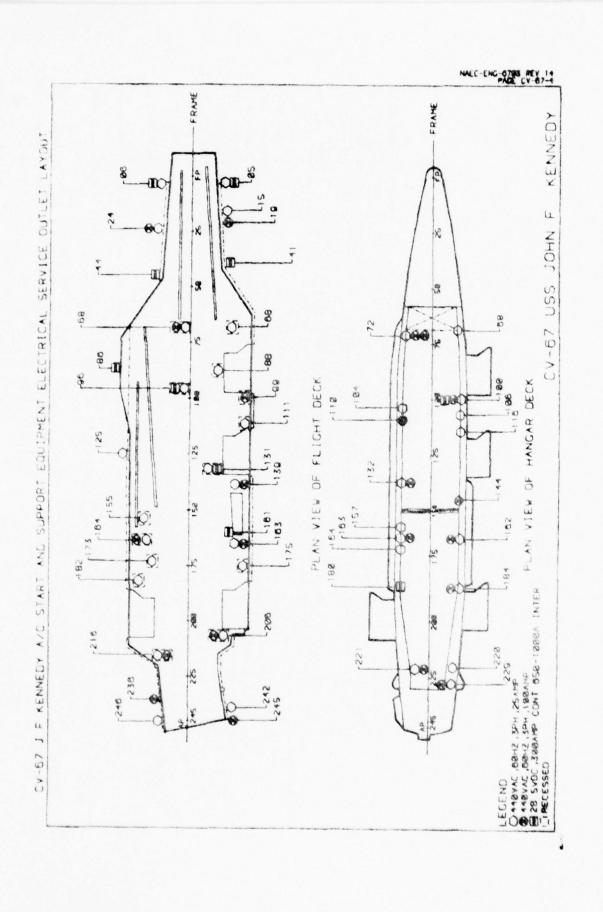
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× × ×	FLT DK	NONE	NONE	S	56				
AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY 400Hz AIRCRAFT SERVICE	SERVICE DUTLETS	1 400Hz ,3PH ,115/200 VAC ,30KVA ,TYPO 1	2 400Hz ,3PH,115/200 VAC,38KVA,IVPB 111	3 400Hz,3PH,115/200 VAC,60KVA,Iype I	4 400Hz,3PH,115/200 VAC,60KVA,IVpe III				

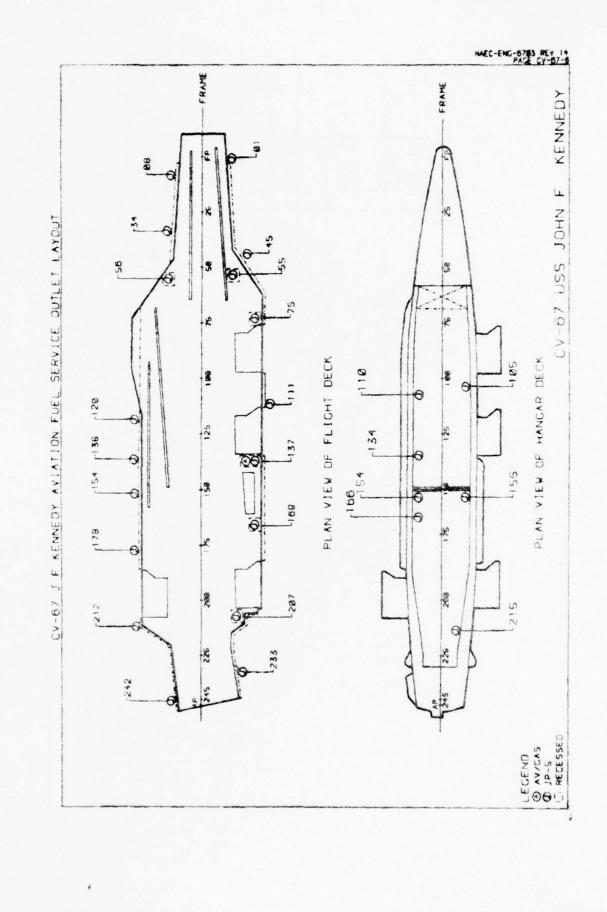


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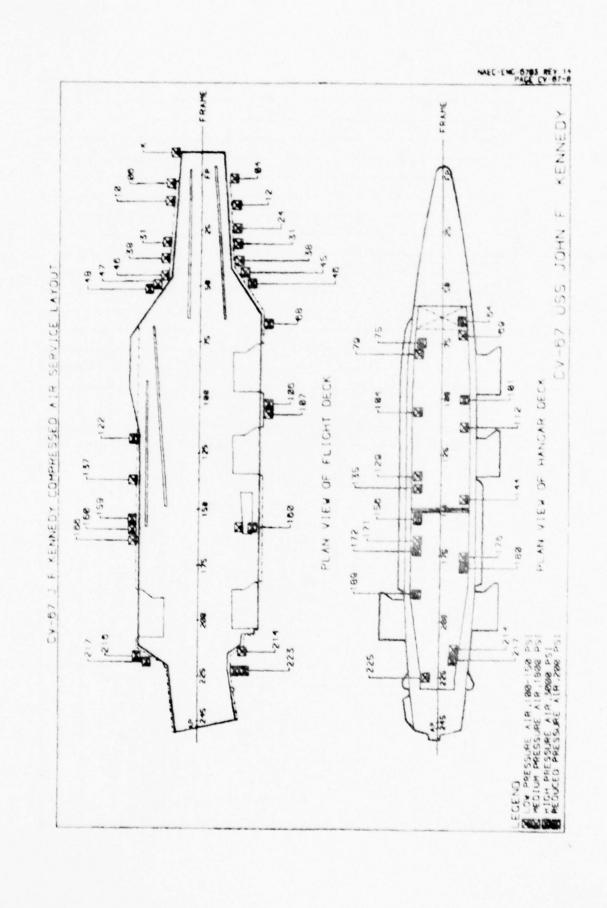
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440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			- 3
448 VAC SUPPORT EQUIPMENT SERVICE	FLT 04	HCR DK	
448 VAC 68HZ , 3PH , 25 AMP	22	15	
448 VAC, 68Hz, 3PH, 68 AMP	NONE	NONE	
448 VAC, BEHZ, 3PH, 188 AMP	-	-	
28 5 VDC A/C SERVICE AND START			
28 5 VDC , 200 AMP Continuous	NONE	NONE	
28 5 VDC, 300 AMP Cont , 600 to 900 A Inter	NONE	NOVE	
28 5 VDC, 688 AMP Cont , 688 to 988 A Inter	MONE	NONE	
28 5 VDC, 300 AMP cont , 850 to 1000 A Inter	8	2	
5 28 5 VDC, 858 AMP Cont , 852 to 1828 A Inter	NONE	NONE	
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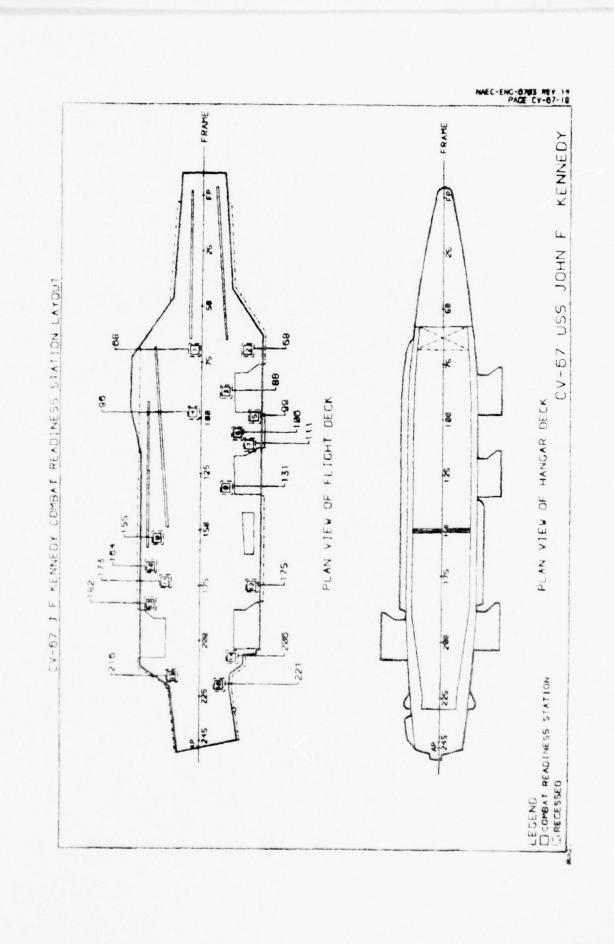
AVIATION CASOLINE AND JP-S		
	AVZGAS	JP-5
I CAPACITY GAL 95X	25,312	1,922,824
2 SERVICE OUTLETS	FLT DK -	FLT 0% 18
3 HOSES PER OUTLET	2	FLT DK 4
* SERVICE OUTLET CAPACITY, CPM/PS!	125/30	208/38
O TWO DUTLETS OPERATING	125/38	206/38
b FOUR OUTLETS OPERATING	125/30	288/39
c SIX OUTLETS OPERATING	125/30	200/38
S DEFUELING CAPACITY PER SERVICE OUTLET GPM	250	83
8 DEFUELING CAPACITY PER PORTABLE PUMP CPM	8	\$2
10.7 E		
1 1-1/2" HOSE AVZGAS,2-1/2" HOSE JP-5		



COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOW PRESSURE	FL1 0K	HCR DK
1 SERVICE QUILETS 9	16	=
REDUCED PRESSURE	NONE	s
1 SERVICE OUTLETS .		
MEDIUM PRESSURE		
1 SERVICE OUTLETS # 1800 PS1	3	NONE
MEDIUM TO MICH PRESSURE		
SERVICE DUTLETS # 1880 to 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS . 3000 PS1	=	8
TIRE CHANGING AIR		
1 SERVICE OUTLETS .	NONE	NOME



PAGE CY-67-6

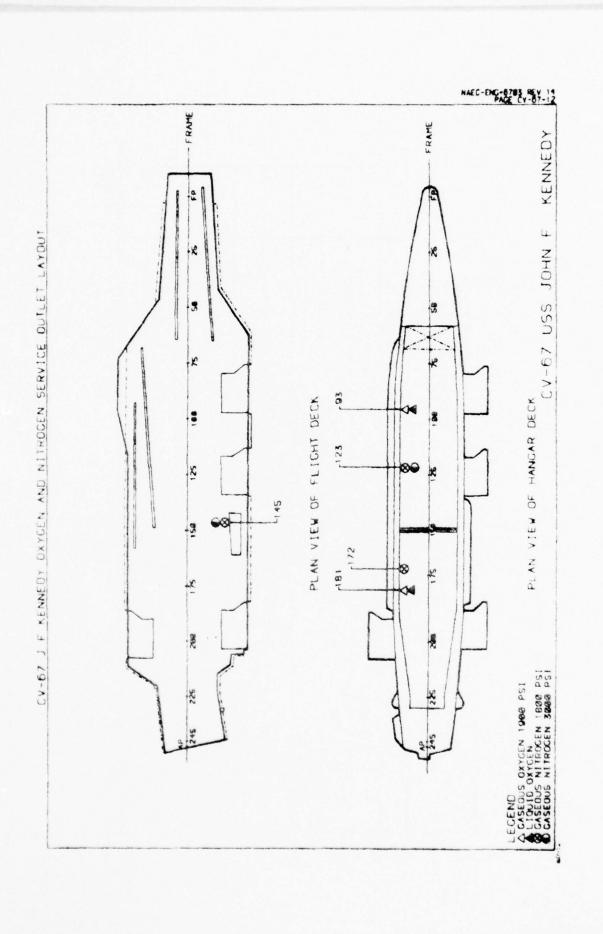


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	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	•
8	Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	₩
4	Compressed Air Service Summary Compressed Air Service Outlet Layout	~80
S	Combat Readiness Station Service Summary Combat Readiness Station Layout	αē
O	Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout	- 21
7	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	13
Φ	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout	21.0

LATEST CHECK - OCTOBER 1975

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AIRCRAFT ELECTRICAL SERVICE DUTLET SUMMARY 400Hz AIRCRAFT SERVICE	SERVICE DUTLETS	1 460Hz ,3PH ,115/200 VAC ,30KVA ,Type 1	2 408Hz ,3PH ,115/200 VAC ,30XVA ,Type 111	3 408Hz,35H,115/200 VAC,68KYA,Type 1	4 400Hz ,3PH ,115/200 VAC ,60KVA ,Type 111				

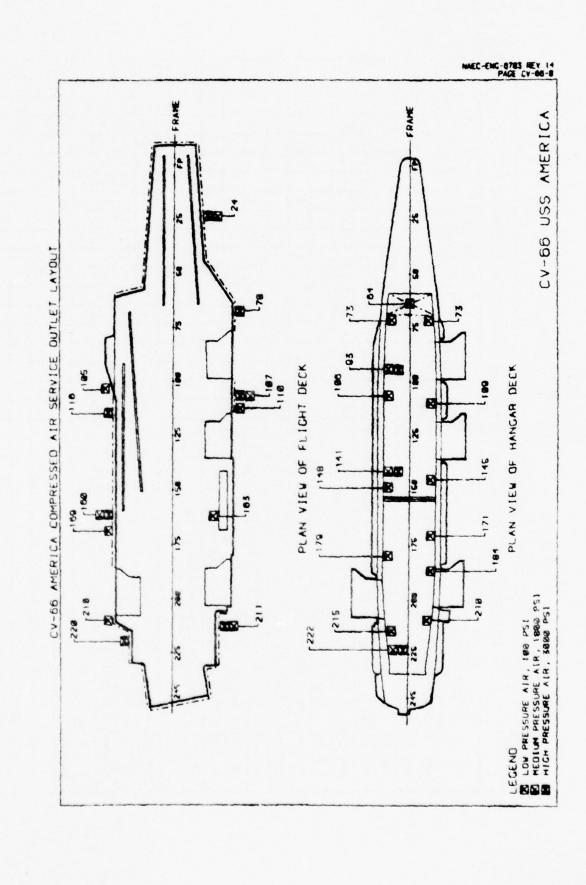
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AVIATION FUEL SERVICE			
AVIATION CASOLINE AND JP-5			
		AV/CAS	JP-6
1 CAPACITY GAL #5%		0,483	870, 770, 1
2 SERVICE GUILETS		FLT 0X -	FLT OK 17 HGR OX 8
3 HOSES PER GUILET	NOTE 2	FLT DK 2 HGR DK 1	FLT OK 3 HGR OK 1
+ SERVICE OUTLET CAPACITY, CPH/PSI	NOTE 1	98/35	288/35
e. TWO OUTLETS OPERATING		08/35	266/36
b FOUR OUTLETS OPERATING		N/A	266/35
C. SIX QUILETS OPERATING		N/N	288/35
S DEFUELING CAPACITY PER SERVICE OUTLET GPH		3	983
8 DEFUELING CAPACITY PER PORTABLE PUMP CPH	A STANSON AND THE CONTRACTOR AND	ĸ	X 2
NOTES 1 1-1/2" hose AVICAS, 2-1/2" JP-5 2 AVICAS Frame III STBD HCR DK is a 2 hose station	and the second s		
	the same of the sa	Section 2010 Control of the Control	The second secon

U

COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOY PRESSURE	FLT DK	HCR DK
I SERVICE OUTLETS . 180 PSI	s	7.
REDUCED PRESSURE		
I SERVICE GUTLETS &	NONE	NONE
MEDIUM PRESSURE		
I SERVICE OUTLETS . 1860 PS!	+	3
MEDIUM TO HIGH PRESSURE		
1 SERVICE QUILETS . 1888 10 3888 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
I SERVICE OUTLETS # 3000 PS!	7	M
TIRE CHANGING AIR		
I SERVICE DUTLETS .	NONE	NON



HAEC-ENC-6763 REV 14

AIRCRAFT INERTIAL ALIGNMENT SYSTEM FLT DK. AMALOG/DIGITAL 27	VERTIAL ALIGNMENT SYSTEM	
VERTIAL ALIGNMENT SYSTEM	VERTIAL ALIGNMENT SYSTEM	OUTLET BOXES, ANALOG/DIGITAL
AIRCRAFT INERTIAL ALIGNMENT SY	AIRCRAFT INERTIAL ALIGNMENT SY T BOXES, AMALOC/DIGITAL	OUTLET BOXES,
AIRCRAFT INERTIAL ALIC	AIRCRAFT INERTIAL ALIC F BOXES, ANALOG/DIGITAL	OUTLET BOXES,
AIRCRAFT INERT	A IRCRAFT INERT F BOXES, ANALOGYDIGITAL	OUTLET BOXES,
A I R C R A F	A I RCRAF	OUTLET BOXES,
	T BOXES,	90.1

· Carrier Contraction

STARTING AIR
SERVICE OUTLETS

Transfer Medical

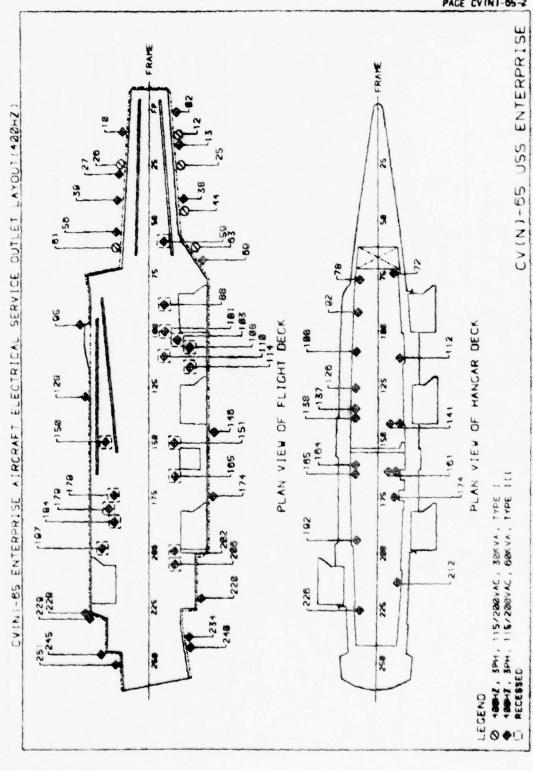
	CATEGORY	PAGE NO
-	Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	- ~
7	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	м
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	•
8	Aviation Fuel Service Summany Aviation Fuel Service Outlet Layout	ശയ
4	Compressed Air Service Summary Compressed Air Service Outlet Layout	ر 8
2	Combat Readiness Station Service Summary Combat Readiness Station Layout	o 6
9	Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	I
ന	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout	15

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PAGE CVIN	-05-1	-					 	 	 	
The state of the s		HCR DX	NONE	NONE	NONE	81				
ARY		FLT DK	60	NOME	NONE	35				
AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY	400HZ AIRCRAFT SERVICE	SERVICE OUTLETS	1 400Hz ; SPH , 115/200 VAC , 50KVA . Type 1	2 408Hz 3PH ,115/200 VAC ,30KVA ,Type 111	3 488Hz 3PH, 115/288 VAC, 66KVA, Type 1	4 488HZ,3PH,115/288 VAC,68KVA,Type 111				



SERVICE AND START SERVICE AND START SERVICE AND START SERVICE AND START NOWE NOWE 18 10 18 10 19 10	EQUIPMENT SERVICE SERVICE AND START 18 10 START NOME NOME NOME NOME
FLT DK NONE NONE NONE NONE	FLT DK NOME NOME NOME
NONE NONE NONE NONE NONE NONE	NONE NONE NONE
BI BI ANDRE NOME	NOME NOME NOME
NONE NONE	NOME NOME
NOME NOME	NOME NOME
A Inter	998 A Inter 1288 A Inter 1888 A Inter 1988 A Inter
A Inter NOME A Inter A Inter A Inter	998 A Inter NOME NOME 1988 A Inter NOME NOME NOME
A Inter NONE A Inter	A Inter NONE A Inter
A Inter NONE	A Inter NONE
A Inter	A Inter

A 4 0 VAC SUPPORT EQUIPMENT SERVICE ALOUR VAC SUPPORT EQUIPMENT SERVICE ALOUR VAC SUPPORT EQUIPMENT SERVICE ALOUR SAND ALO		
A/C SERVICE AND START 10 996 A Inter 10 1882 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter		
21 NOME 10 900 A Inter 10 1000 A Inter	FLT DK	HCR DK
10 900 A Inter 10 1000 A Inter	21	s.
10 900 A Inter 10 1000 A Inter 10 1000 A Inter 10 1000 A Inter 10 1000 A Inter	NOME	NONE
A/C SERVICE AND START 10 996 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter	89	91
10 996 A Inter 10 996 A Inter 10 1982 A Inter 10 1982 A Inter 10 1988 A Inter		
AMP Cont., 686 to 986 A Inter AMP cont., 656 to 1882 A Inter AMP Cont., 656 to 1888 A Inter AMP Cont., 650 to 1888 A Inter	NONE	NONE
AMP Cont., 858 to 1882 A Inter AMP Cont., 658 to 1882 A Inter AMP Cont., 658 to 1888 A Inter	-	-
Cont., 650 to 1880 A Inter	NOWE	NON
Con1 , 650 to 1680 A Inter	NOSE	NONE
	NOME	NONE
		-
		NOME NOME 18

CAPACITY CAL 95X SERVICE OUTLETS AVIGATION CASOLINE AND JP-5 SERVICE OUTLETS AVIGAS SERVICE OUTLET CAPACITY, CAPACITY PER SERVICE OUTLET CAPACITY PER SERVICE OUTLET CAPACITY PER PORTABLE PUMP CAPACITY PER PORTABLE				The state of the s
SERVICE OUTLETS A V/CAS SERVICE OUTLET CAPACITY, CPH/PSI DEFUELING CAPACITY PER SERVICE OUTLET CPH DEFUELING CAPACITY PER PORTABLE PUMP CPM 250 CAPACITY PER PORTABLE PUMP CPM 260 CAPACITY PER PORTABLE PUMP CPM CAPACITY PER P	AVIATION GASOLINE AND JP-1			
SERVICE OUTLETS HOSES PER OUTLET A FUL DK 3 HORE SPER OUTLET A FUL CAPACITY, CPM/PS1 B FOUR OUTLETS OPERATING C SIX OUTLETS OPERATING C SIX OUTLETS OPERATING DEFUELING CAPACITY PER PORTABLE PUMP GPM 255 DEFUELING CAPACITY PER PORTABLE PUMP GPM 256			AV/CAS	JP-S
SERVICE OUTLETS HOSES PER OUTLET SERVICE OUTLET CAPACITY, CPH/PSI a TWO OUTLETS OPERATING b FOUR OUTLETS OPERATING c SIX OUTLETS OPERATING c SIX OUTLETS OPERATING DEFUELING CAPACITY PER SERVICE OUTLET GPH DEFUELING CAPACITY PER PORTABLE PUMP GPM 250	1		8 58, 29	2 ,263 ,637
SERVICE OUTLET CAPACITY, CPH/PS1 a TWO CUTLETS OPERATING b FOUR OUTLETS OPERATING c SIX OUTLETS OPERATING c SIX OUTLETS OPERATING DEFUELING CAPACITY PER SERVICE OUTLET CPH DEFUELING CAPACITY PER PORTABLE PUMP GPM 250			1	3 FLT DK 17 1 HGR DK 7
SERVICE OUTLET CAPACITY, CPH/PSI a TVO CUTLETS OPERATING b FOUR OUTLETS OPERATING c SIX OUTLETS OPERATING c SIX OUTLETS OPERATING DEFUELING CAPACITY PER SERVICE OUTLET CPH DEFUELING CAPACITY PER PORTABLE PUMP CPM 25	HOSES PER GUTLET		-	4 CMOTE 1)
DEFUELING CAPACITY PER PORTABLE PURP CPM		4	108/35	288/45
C SIX OUTLETS OPERATING C SIX OUTLETS OPERATING DEFUELING CAPACITY PER SERVICE OUTLET GPM DEFUELING CAPACITY PER PORTABLE PUMP CPM 25	TWO COTLETS		168/35	288/45
PER SERVICE OUTLET CPH PER PORTABLE PLAND CPM 25		Contract the second contract to the second co	188/35	200/45
DEFUELING CAPACITY PER SERVICE DUTLET CPH DEFUELING CAPACITY PER PORTABLE PUMP CPM	SIX OUTLETS		168/35	208/45
DEFUELING CAPACITY PER PORTABLE PUMP CPM	PER SERVICE OUTLET		25	280
	PER PORTABLE PUMP		52	×
Otto water	1 1.			

LOW PRESSURE 1 SERVICE DUTLETS @ 1880 PS1 1 SERVICE OUTLETS @ 1880 PS1 1	COMPRESSED AIR SERVICE SUMMARY	××	
15 # 1800 PSI 16 # 1800 PSI 17 # 1800 PSI 18 # 1800 PSI 18 # 1800 PSI 18 # 1800 PSI 18 # 1800 PSI 19 # 1800 PSI 10 PSI 10 PSI 10 PSI 11	COMPRESSED AIR		
15 8 1880 PSI 15 8 1880 PSI 16 8 1880 PSI 17 8 1880 PSI 18 8 1880 PSI 18 8 3808 PSI 18 8 588 PSI 18 6 588 PSI 19 9 189	LOW PRESSURPE	FL1 94	35
15 8 18800 PSI 15 8 18800 PSI (VARIABLE) 15 8 38000 PSI (VARIABLE) 15 8 38000 PSI (VARIABLE) 16 8 5800 PSI 17 8 5800 PSI	SERVICE OUTLETS 8 188	0	=
15 8 1890 PS! 15 8 1890 PS! 15 8 1890 TO 3000 PS! (VARIABLE) 15 8 3800 PS! (VARIABLE) 16 8 3800 PS! 17 8 500 PS! 18 9 500 PS!		des de la companya del companya de la companya de la companya del companya de la companya del la companya de la	
ETS # 1890 PS! ETS # 1890 PS! ETS # 1890 PS! (VARIABLE) ETS # 3800 PS! (VARIABLE) ETS # 3800 PS! ETS # 500 PS! IR	REDUCED PRESSURE		
ETS 8 18800 PS! 1 PRESSURE ETS 8 18800 to 3000 PS! (VARIABLE) ETS 8 38000 PS! (VARIABLE) ETS 8 38000 PS! (VARIABLE) ETS 8 5800 PS! IR ETS 8 5800 PS! NONE	SERVICE DUTLETS	NO.	NONE
ETS B 1890 PSI PRESSURE ETS B 1800 to 3000 PSI (VARIABLE) ETS B 3000 PSI IR ETS B 500 PSI IR			
SERVICE OUTLETS & 1890 PSI SIUM TO HIGH PRESSURE SERVICE OUTLETS & 1800 PSI (VARIABLE) CH PRESSURE SERVICE OUTLETS & 3600 PSI SERVICE OUTLETS & 3600 PSI SERVICE OUTLETS & 3600 PSI RE CHANGING AIR SERVICE OUTLETS & 500 PSI NONE	HEDIUM PRESSURE		
80 TO 3000 PST (VARIABLE) MONE MONE	SERVICE OUTLETS		2
TLETS # 1880 to 3000 PSI (VARIABLE) TLETS # 3800 PSI AIR TLETS # 580 PSI NONE	MEDIUM TO HIGH PRESSURE		
TLETS & 3000 PS! AIR TLETS & 500 PS!	SERVICE OUTLETS & 1880 to 3000 PSI (VARIABL	NOWE	NONE
SERVICE OUTLETS & 3800 PS! RE CHANGING AIR SERVICE OUTLETS & 500 PS!	HIGH PRESSURE		
S . 5.00 PS.1	SERVICE OUTLETS & 3888	0	+
• 500 PS!	TIRE CHANGING AIR		
		MONE	NOME

0 × × × × × × ×								0	TAT	0	LONG							
Har, 3PH, 115/288 VAC 38 KVA, Type 11	SERVICES		-	-	-				0	0	=		4	5	9	171	8	CD
Har, 3PH, 115/286 VAC 58 KVA, Type 11 Har, 3PH, 115/286 VAC 68 KVA, Type 11 WAC, 68 Ha, 3PH, 68A WAC, 68 Ha, 3PH, 188A WAC, 68 Ha, 18 Ha,	VAC 30 KVA, Type	-	-	-														
8 Hz., 3PH., 115/2869 VAC 608 KVA. Type 1 9 Hz., 3PH., 115/2869 VAC 608 KVA. Type 111 1 VAC, 68 Hz., 3PH., 25A 9 VAC, 68 Hz., 3PH., 68A 9 VAC, 68 Hz., 3PH., 188A 5 VAC, 286A Cont 658 to 1888A Inter 5 VAC, 286A Cont 658 to 1888A Inter 5 VAC, 386A Cont 658 to 1888A Inter 5 VAC, 386A Cont 658 to 1888A Inter 5 VAC, 386A Cont 658 to 1888A Inter 6 VAC, 386A Cont 658 to 1888A Inter 7 VAC, 386A Cont 658 to 1888A Inter 8 VAC, 386A Cont 658 to 1888A Inter 9 VAC, 386A Cont 658 to 1888A Inter 1 VAC, 386A Cont 188A	HE, SPH., 115/280 VAC 30 KVA, Type !!			-	-							-						
8 VAC, 68 Hz, 3PH, 155/288 VAC 68 KVA, Type III	VAC 66 KYA , Type			-								-						
8 VAC. 68 Hz, 3PH, 2SA 8 VAC. 68 Hz, 3PH, 68A 8 VAC. 68 Hz, 3PH, 198A 8 VAC. 68 Hz, 3PH, 198A 8 VAC. 68 Hz, 3PH, 198A 8 VAC. 28 Rx Con! 9 VAC. 28 Rx Con! 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VAC 80 KVA, TYPS II				-			-	-	-	-		-	-	-			
8 VAC. 08 Hz, 3PH, 080A 8 VAC. 68 Hz, 3PH, 1800A 5 VOC, 2800A Cont 650 to 1800A Inter 5 VOC, 3600A Cont 650 to 1800A Inter 5 VOC, 3600A Cont 650 to 0900A Inter 5 VOC, 3600A Cont 6600 to 0900A Inter 6 VOC, 3600A Cont 6600 to 0900A Inter 7 VOC, 3600A Cont 6600 to 0900A Inter 8 VOC, 3600A Cont 6600 to 0900A Inter 9 VOC, 3600A Cont 6600 to 0900A Inter 10 Interval Box (ANALOE) 11 Interval Box (ANALOE) 12 Interval Box (ANALOE) 13 Interval Box (ANALOE) 14 Interval Box (ANALOE) 15 Interval Box (ANALOE) 16 Interval Box (ANALOE)	1		-			-	-	-	-		-			-	-			
S VDC, 288A Cont. 558 to 1888A Inter 5 VDC, 588A Cont. 658 to 1888A Inter 5 VDC, 688A Cont. 658 to 1888A Inter 5 VDC, 688A Cont. 658 to 1888A Inter 5 VDC, 588A Cont. 658 to 1888A Inter 5 VDC, 588A Cont. 658 to 1888A Inter 6 VDC, 388A Cont. 658 to 1888A Inter 7 VDC, 388A Cont. 658 to 1888A Inter 8 VDC, 388A Cont. 658 to 1888A Inter 9 VDC, 388A Cont. 658 to 1888A Inter 1 Interpretation of the control	1			-	-													
5 VDC, 200A Cont 558 to 1888A Inter 5 VDC, 368A Cont 658 to 1888A Inter 5 VDC, 688A Cont 658 to 1888A Inter 5 VDC, 688A Cont 658 to 1888A Inter 5 VDC, 388A Cont 658 to 1888A Inter 6 VDC, 388A Cont 668 to 088A Inter 7 VDC, 388A Cont 668 to 088A Inter 8 VDC, 388A Cont 668 to 088A Inter 9 VDC, 188A Cont 668 to 088A Inter 1 Inches 1 Intervent 1 Inches 1 Intervent 1 Intervent 1 Intervent 1 Intervent 1 Intervent 1 Intervent 1 Intervent 1 Intervent 1 Intervent	-		-	-		-						-	-		-			
5 VDC, 368A Cont. 658 to 1888A Inter 5 VDC, 688A Cont. 658 to 1888A Inter 5 VDC, 658A Cont. 658 to 1888A Inter 5 VDC, 388A Cont. 668 to 088A Inter 5 VDC, 388A Cont. 668 to 088A Inter 6 VDC, 388A Cont. 668 to 088A Inter 7 VDC, 388A Cont. 668 to 088A Inter 8 VDC, 388A Cont. 668 to 188A Inter 8 VDC, 388A Cont. 668 to 188A Inter 8 VDC, 388A Cont. 668 to 188A Inter 9 VDC, 388A Cont. 668 to 188A Inter 1 VDC, 388A Cont. 668 to 188A Inter 1 VDC, 388A Inter 1 VDC, 388A Inter 1 VDC, 388A Inter 1 VDC, 388A Inter	28 5 VDC, 200A CONT		-		-						-							
5 VDC, 688A Cont. 688 to 988A Inter 5 VDC, 388A Cont. 688 to 988A Inter 6 VDC, 388A Cont. 688 to 988A Inter 7 VDC, 388A Cont. 688 to 988A Inter 8 LING AIR 12 CHRENT BOX (ANALOG) 12 CHRENT BOX (ANALOG) 13 11 11 11 11 11 11 11 11 11 11 11 11 1	S VDC, 368A Cont 858 to 1888A Int		-	-	-													
5 VDC, 65@A Cont. 65@ to 100@A Inter 5 VDC, 30@A Cont. 60@ to 00@A Inter 5 VDC, 30@A Cont. 60@ to 00@A Inter 6 VDC, 30@A Cont. 60@ to 00@A Inter 7 VDC, 30@A Cont. 60@ to 00@A Inter 7 VDC, 30@A Cont. 60@A Inter 7 VDC, 30@A Cont. 60@A Inter 7 VDC, 30@A Cont. 60@A Inter 8 VDC, 30@A Cont. 60@A Inter 8 VDC, 30@A Cont. 60@A Inter 9 VDC, 30@A Inter 9 VDC, 30@A Cont. 60@A Inter 9 VDC, 30@A	S VDC, 688A Con! 688 to 988A					-												
5 YDC, 388A Cont. 688 to 088A Inter LING AIR CHRENT BOX (ANALOG.) COMMENT BOX (ANALOG.)	5 VDC, 858A Con! 858 to 1888A		-	-	-					-								
x x x - x - x x x x x x x x x x x x x x	5 VDC, 388A Cont 688 to 988A Int		1									-						
x x x - x - x x x - x x x - x x x -	COOL ING AIR		-	-	+-	-	-	1					-					
x x x - x - x x x x x x x x x x x x x x	STARTING AIR		-	-	-	-	-				-	-	-					
x x x - x - x x x - x x x x - x x x - x x x x - x x x x - x	ALICHMENT BOX (ANALOD)	-	1	-	-	-	-	-				-	_					
x x x x x x x x x x x x x x x x x x x	ALICAMENT BOX (ANALOC/DIGITAL)		-	-	-	-	-				-	-						
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				1	-+			-				+						

OXYGEN 1 STURAGE CAPACITY , LIQUID CALS	のでは、「一般のでは、「一般のでは、「一般のできない。」では、「一般のできない」では、「一般のできない」では、「一般のできない」できない。 「一般のできない」できない。	THE RESERVE THE PROPERTY OF TH
	883,1	
2 CENERATING CAPACITY GPH	3.0	
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2
4 SERVICE OUTLETS, GASEOUS	FLT DK NOME	HCR DK 20, 20
NITROGEN (OIL FREE)		
I STORAGE CAPACITY OF SMOR PSI	84 5 cu 11 - 288	2888 Cal Liquid
2 SERVICE GUTLETS	FLT OK 19 1	HCR DK 19, 11, 10
NITROGEN		
1 STORAGE CAPACITY OF SUND PST	NONE	
2 SERVICE OUTLETS	FLY DK. NOWE	HCR DK NOWE
NOTES PRESSURES (PSI)		
• 1880 c 2889 • 2868 - 3886 g	3588 , 5888	
D 1988 d 2688 f 3888	808	

NAEC-ENG-0785 REV 15 PAGE CV(N)-85-13 š 3 RECESSED OUTLETS FR NO 101, 110 STBD & FR NO 178, 170,184 PORT ALICHMENT BOXES ARE NOT IN HATCH, CABLES ARE RUN FROM COMPARTMENTS ON 63 LEVEL 18 (NOTE 1) FLT DK AIRCRAFT INERTIAL ALIGNMENT SYSTEM RAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY (ANALOG/DICITAL) AIRCRAFT QUILLET BOXES AL IGNMENT NOTE

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NASC-ENG-8783 REV 13 PAGE CY(N1-65-15 NONE ă ŏ HOR 15.2 15.2 AIX COMMISSION INDEFINITELY STARTING SUMMARY 5 SEE NOTE SEE NOTE ă ŏ DUTLET COOLING AND 8 100 5 START/COOLING SYSTEM STRATE DUTLET CAPACITY 2 SERVICE OUTLETS I QUILET CAPACITY STARTING AIR COOLING AIR SERVICE AIR NOTE N

PAGE NO 4\Z N T -2 -0 2 Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz) Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout Aircraft Ineriial Alignment Outlet Box Summary Aircraft Ineriial Alignment Outlet Box Layout Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC) Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC) Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout Combat Readiness Station Service Summary Combat Readiness Station Layout Compressed Air Service Summary Compressed Air Service Outlet Layout Aviation Fuel Service Outlet Layout CATEGORY Aviation Fuel Service Summery

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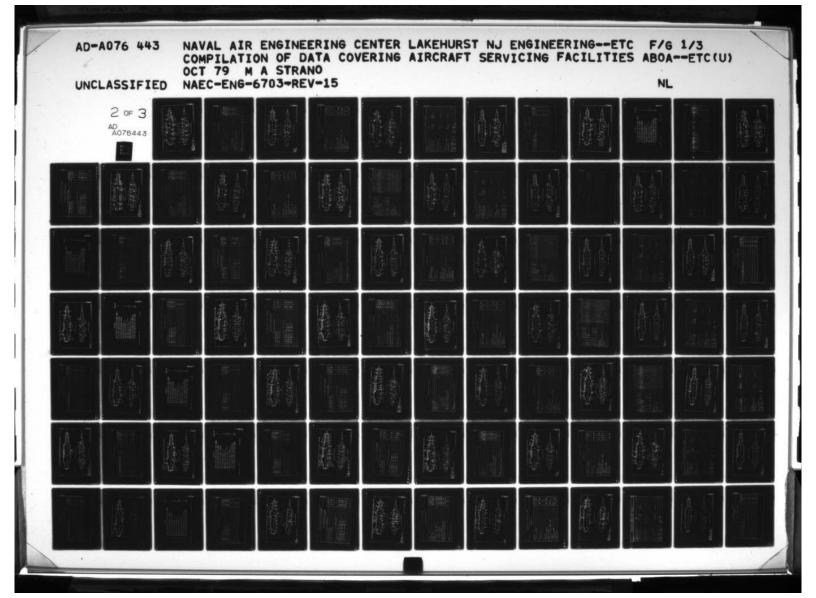
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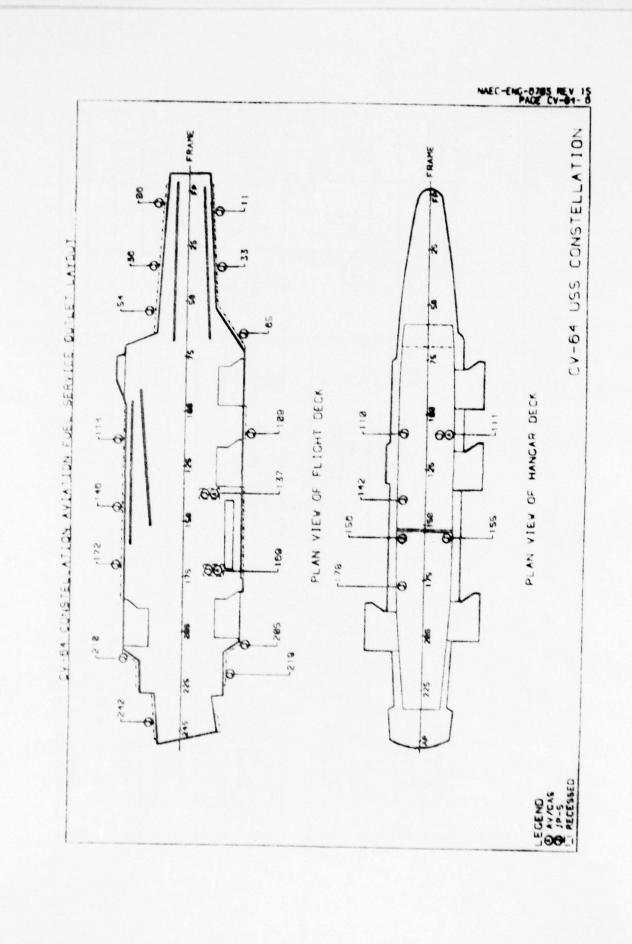
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NEC-ENC-6783 WEV 15	-					 	 	 	
	TCR DX	NONE	NONE	NOME	15				
× ×	FLT 98	NONE	NONE	NONE	33				
AIRCRAFT ELECTRICAL SERVICE DUTLET SUMMARY 400Hz AIRCRAFT SERVICE	SERVICE DUTLETS	1 400Hz ,3PH ,115/200 VAC ,58KVA ,Type 1	2 400Hz, 3PH, 115/200 VAC, 30KVA, TYDe [1]	3 408Hz,3PH,115/288 VAC,68KVA,Type 1	4 408HZ 3PH 115/208 VAC , 58KV . Type 111				

		LT DK HCR DK	-								
The same of the sa	FLT DK		17	17 NONE	17 NOME	NONE 18	NONE NONE	NONE NONE	NOME NOME	NOME NOME NOME 33	NONE NONE 3
FLT		1.7	-	ğ	Q =	6 8	60 B	9 P	5 5 5 5	6	
and the second second second second			the same of the same of the same of the same of								
	RVICE					START	ART	ART	AR I	AR I	AR I
	448 VAC SUPPORT EQUIPMENT SERVICE										
28 5 VDC AZC SERVICE AND START		T EQUIP	T EQUIP	1 60016	4 1001	A/C SERVICE AND	T EQUIP	SERVICE AN	SERVICE AN SERVICE AN GOO A Inter	SERVICE SERVICE 1000 A In 1800 A In	SERVICE 88 A In 888 A In
28 5 VDC A/C SERVICE AND START	BUddillo	,				VDC A/C 9	OC A/C	MP VEC A/C 6	20 10 96 10	MP VDC A/C 9	AMP AMP AMP AMP AMP AMP AMP AMP AM
N	18 VAC		S AMP	S AMP	6642, 3PH, 25 AMP 6642, 3PH, 66 AMP 6842, 3PH, 186 AMP	5 AMP 66 AMP 166 AMP 28 5 V5	25 AMP 1, 80 AMP 1, 100 AMP 28 5 VDC	5 AMP 166 AMP 186 AMP 11 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	5 AMP 68 AMP 188 AMP 78 5 VBC 71 , 623	5 AMP 58 AMP 108 AMP 101 , 68 11 , 68 11 , 68	28 5 VD 28 5 V
	*		Z , 3PH , 25 AMP	Z. 3PH, 25 AMP	ЗРН, 28 ЗРН, 6	35 H, 28	38H, 28	3PH, 25 / 3PH, 60 28 / 3PH, 100 28 / 28 / 3PH Cont	3PH, 25 / 3PH, 68 / 3PH, 188 / 3PH Con!	3PH, 25 3PH, 80 3PH, 10 AMP Con1	286 AMP CON! 388 AMP CON! 388 AMP CON! 388 AMP CON! 388 AMP CON!
			BOHZ.		60 1	67 1					
			VAC	VAC.	VAC,	VAC.	VAC ,	VAC ,	VAC, VAC, VAC, VAC,	VAC ,	νΑς , νΑς , νς
			440	4 4	4 4 4 6						
			-	- ~	- N M	- 0 10	- N M	- N M - N	- ~ m - ~ m	- ~ m - ~ m +	- ~ m - ~ m + w



AVIATION CASOLINE AND JP-5 AVCAS JP-5 REVICE DULLETS OSES PER DULLET OSES PER DULLET OSES PER DULLET OSES PER DULLET OSERVICE OUTLETS OPERATING OSES PER DULLET SEE NOTES FILT DK. 1 HCR DK. 1 HC	AVIATION FUEL SERVICE		
18,886 1,788 2	AVIATION CASOLINE AND JP-5		
18,866 1,786,8 1,786		AVZCAS	-
APACITY, CPM/PSI OPERATING OPERATING TY PER SERVICE OUTLET CPM TY PER PORTABLE PUMP CPM SEE NOTES FLT DK 2 FLT DK 2 FLT DK 2 PBB/48 22888/48 2288/48 2288/48 2288/48 2288/48 2288/48 2288/48 228	CAPACITY CAL 95x	888' 81	1 .786 .83
APACITY, CPM/PSI SEE NOTES FLT DK 2 FLT DK APACITY, CPM/PSI 200/40	SERVICE DUTLETS	88	55
PERATING PERATING PERATING PERATING PERATING PERATING PER SERVICE OUTLET COM PER PORTABLE PUMP COM 256	3 HOSES PER BUTLET	1	8 8
PERATING PERATING PERATING PERATING PERATING PERATING PERATING PERAFORM PER	CAPACITY,	288748	298/48
PERATING PERATING PERATING PER SERVICE OUTLET COM PER PORTABLE PUMP COM 286	TWO OUTLETS	288/48	288748
PERATING PER SERVICE OUTLET COM PER PORTABLE PUMP COM 26		298/48	203/48
PER SERVICE OUTLET CAM PER PORTABLE PUMP CAM	STX QUTLETS	288/48	299/48
PORTABLE PUMP CPM	SERVICE DUTLET	128	1.99
	PER PORTABLE PUMP	8	8



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	FLT DK	00	NOVE			NON		NONE		2		NON
COMPRESSED AIR SERVICE SUMMARY COMPRESSED AIR	LOW PRESSURE	1 SERVICE DUTLETS # 125 PS1	ARIAMED PIRESSUME	1 SERVICE OUTLETS &	MEDIUM PRESSURE	I SERVICE OUTLETS & 1860 PSI	MEDIUM TO HIGH PRESSURE	SERVICE QUILETS # 1880 TO 3800 PS! (VARIABLE)	MICH PRESSURE	SERVICE OUTLETS 8 3800 PSI	TIRE CHANCING AIR	SERVICE OUILETS .

OXYGEN		
STORAGE CAPACITY, LIQUID GALS	1,500	
GENERATING CAPACITY CPH	22	
S SERVICE OUTLETS, LIQUID	FLT DK NONE	HCR DK 2
SERVICE OUTLETS, GASEOUS	FLT DK NONE	HCR DK 10,10
NITROGEN (OIL FREE)		
>	68 CU FT	
2 SERVICE OUTLETS	FLT DK 1 11	HGR DK 10,1,1,1,1
NITROCEN		
STORAGE CAPACITY of 3888 PSI	NONE	
SERVICE OUTLETS	FLT DK NONE	HGR DK NONE
NOTES PRESSURES (PSI)		
1889 c 2668 e 2888 - 3888 g	3500 1 5000	
		A CONTRACTOR OF THE PROPERTY O

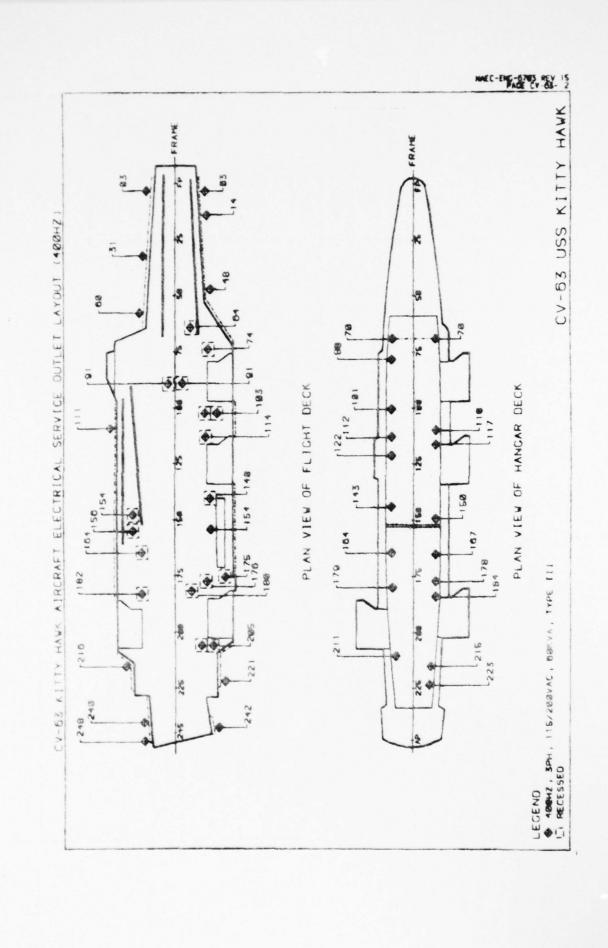
ACE CY 64-	95 REV 15				 ,				
		Š	NONE	-					
		8	NONE	11					
AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY	AIRCRAFT INERTIAL ALICHMENT SYSTEM		1 ALIGNMENT OUTLET BOXES (ANALOC)	2 ALIGNMENT OUTLET BOXES (ANALOG/OJICITAL)					

	CATECORY	PAGE NO
-	Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	-2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	80
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	•
M	Aviation Fuel Service Summary Aviation Fuel Service Outlet Layour	v o
4	Compressed Air Service Summery Compressed Air Service Outlet Layout	7 8
S	Combat Readiness Station Service Summary Combat Readiness Station Layout	o ē
9	Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout	-2
~	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	<u>~</u>
œ	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout	2.0

LATEST CHECK - OCT 1977

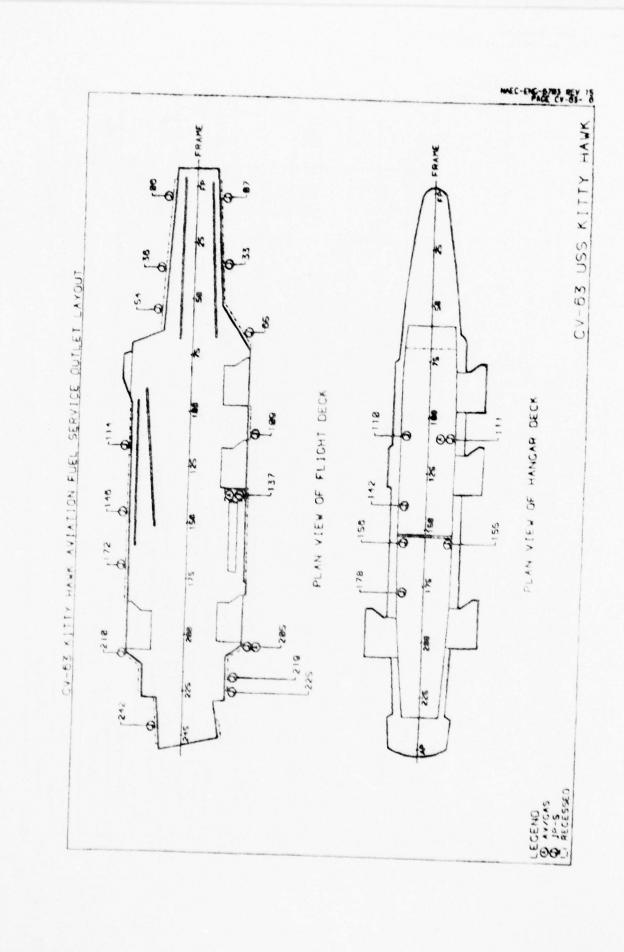
USS KITTY HAWK

		70						
	HGR DK	15.00m	NONE	MONE	18			
PRY.	FLT 98	*	HOME	MONE	23			
AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY 400HZ AIRCRAFT SERVICE	SERVICE OUTLETS	1 100Hz ,3PH1115/20 VAC ,3MKVA ,Type I	2 400Hz ,3PH ,115/200 VAC ,30KVA ,Type 111	3 4884z ,3PH ,115/288 VAC ,68KYA ,Type 1	4 488HZ 3PH , 115/208 VAC , 58KVA , TVP8 111			

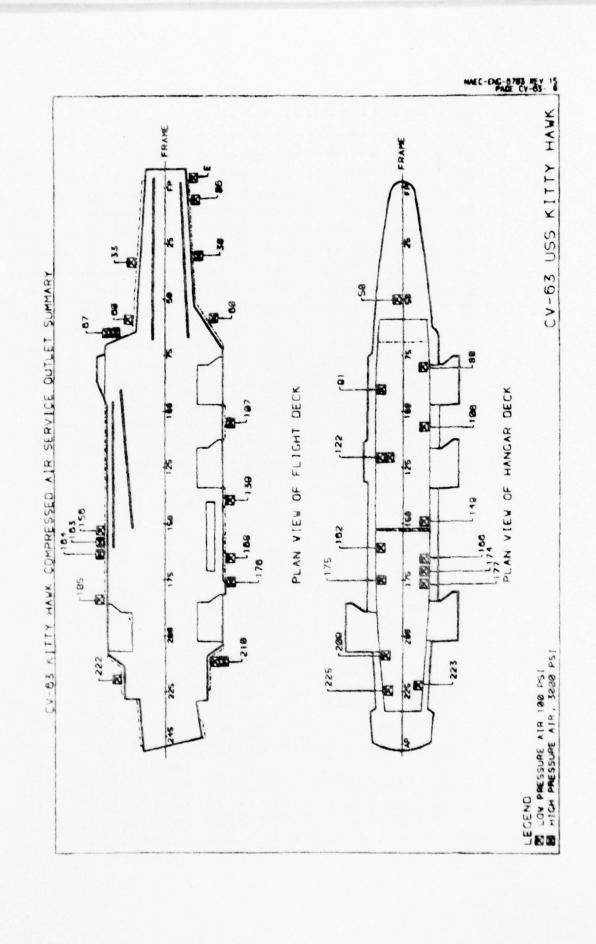


440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START 440 VAC SUPPORT EQUIPMENT SERVICE 3PH, 25 AMP 3PH, 60 AMP 3PH, 60 AMP 28 5 VDC A/C SERVICE AND START AMP Cont. 1000 To 900 A Inter AMP Cont. 600 to 900 A Inter	18 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START C SUPPORT EQUIPMENT SERVICE P NOWE NOWE BORG TO BORG A Inter BORG TO BORG A Inter
C SUPPORT EQUIPMENT SERVICE P NONE WP WDC A/C SERVICE AND START OUS GRØ to 988 A Inter GSØ to 1888 A Inter GSØ to 1888 A Inter GSØ to 1888 A Inter MONE GSØ to 1888 A Inter GSØ to 1888 A Inter	C SUPPORT EQUIPMENT SERVICE 12 P NONE WP OUS 688 to 988 A Inter 658 to 1888 A Inter 658 to 1888 A Inter 658 to 1888 A Inter MONE 658 to 1888 A Inter 658 to 1888 A Inter 658 to 1888 A Inter
12 P NONE WP WOC A/C SERVICE AND START OUS GGG TO 988 A Inter GSG TO 1888 A Inter GSG TO 1888 A Inter NONE GSG TO 1888 A Inter NONE GSG TO 1888 A Inter NONE	12 NOWE WP WDC A/C SERVICE AND START OUS GGG to 988 A Inter GGG to 1888 A Inter GSG to 1888 A Inter GSG to 1888 A Inter MONE GSG to 1888 A Inter MONE
AMP 8 AMP 5 VOC A/C SERVICE AND START 1.0688 to 9888 A Inter 1.0688 to 1888 A Inter 1.0588 to 1888 A Inter	AMP 8 AMP 5 YOC A/C SERVICE AND START 1 NOWE 1 668 to 988 A Inter 2 10 1 658 to 1888 A Inter 2 10 1 658 to 1888 A Inter 3 658 to 1888 A Inter 4 658 to 1888 A Inter 5 658 to 1888 A Inter 6 658 to 1888 A Inter 7 0558 to 1888 A Inter 8 0558 to 1888 A Inter 8 0558 to 1888 A Inter 8 0558 to 1888 A Inter
S 40C A/C SERVICE AND START finuous , 688 to 988 A Inter , 658 to 1888 A Inter	S YOC A/C SERVICE AND START Invous S GG to 988 A Inter S GG to 1888 A Inter
S YOC A/C SERVICE AND START Involus , 688 to 988 A Inter , 658 to 1888 A Inter	S VOC A/C SERVICE AND START Invous , 668 to 988 A Inter , 668 to 1888 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter NONE
, 668 to 988 A Inter , 668 to 988 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter	, 668 to 988 A Inter , 668 to 988 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter
, 688 to 988 A Inter , 688 to 988 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter	, 668 to 988 A Inter , 668 to 988 A Inter , 658 to 1888 A Inter , 558 to 1888 A Inter
, 658 to 1888 A Inter , 658 to 1888 A Inter , 658 to 1888 A Inter	, 65% to 1888 A Inter
, 650 to 1000 A Inter , 650 to 1000 A Inter	, 650 to 1000 A Inter
GES TO 1888 A Inter	SER TO IRRE A Inter

AVIATION FUEL SERVICE		
AVIATION CASOLINE AND JP-5		
	AV/CAS	JP-5
CAPACITY CAL SSX	81.313	1,817,565
SERVICE OUILETS	28	2 F. T.
3 MOSES PER DUTLET		85
4 SERVICE GUILET CAPACITY, CAMPSI	136/38	35/882
A THO QUILLETS OPERATING	196/38	208/58
6 FOUR OUTLETS OPERATING	82/82	286/58
c SIX OUTLETS OPERATING	168/38	288758
S DEFUELING CAPACITY PER SERVICE GUILET CPM	33	- 8
8 DEFUELING CAPACITY PER PORTABLE PUMP CPM	8	ĸ
MOTES 1-1/2" HOSE AVYCAS, 2-1/2" WCCE 10-E		

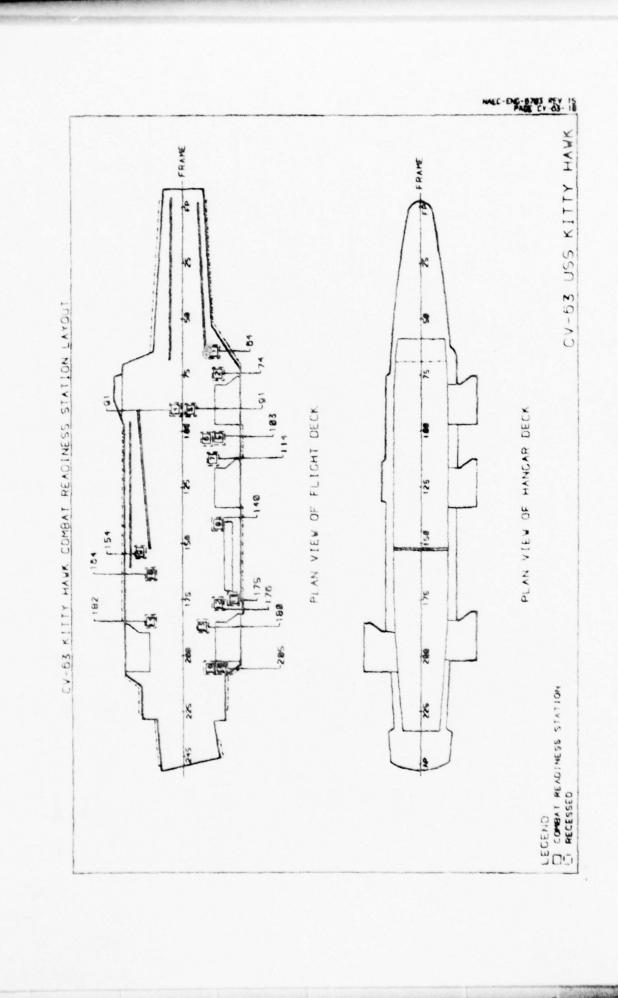


COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOV PRESSURE	FLT DK	25
1 SERVICE OUTLETS . 1888 PS1	9.	15
REDUCED PRESSURE		
1 SERVICE OUTLETS #	NONE	NOME
	-	
MEDIUM PRESSURE		
1 SERVICE OUTLETS & 1840 PSI	NOVE	NOME
MEDIUM TO HIGH PRESSURE		
SERVICE OUTLETS # 1888 10 3888 PST (VARIABLE)	NONE	MONE
HICH PRESSURE		
1 SERVICE OUTLETS & 3000 PSI	0	NONE
TIRE CHAMCING AIR		
1 SERVICE OUTLETS 8	NOME	NONE



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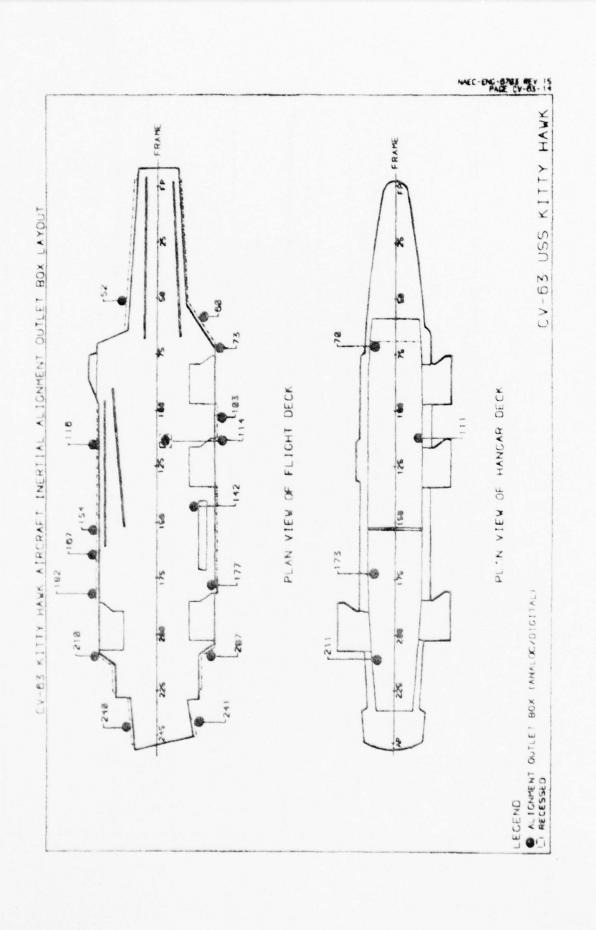
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DXYGEN AND NI	DXYGEN AND NITROGEN SERVICE SUMMARY		MARC-ENC PAGE CY-
OXYGEN			-8703 -63-11
1 STORAGE CAPACITY, LIQUID GALS	1500		REV I
2 GENERATING CAPACITY CPH	15-20	process, solden or set finds, but of determinants to general than the freedom advantage of the finds of an annual set of the finds of t	5
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2	
+ SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 2ª	
NITROCEN (OIL FREE)			
I STORAGE CAPACITY AT SMOR PSI	128 CU FT		
2 SERVICE OUTLETS	FLT 0K 1	HCR DK 3	
NITROGEN			
STORAGE CAPACITY of 3000 PSI	AND THE RESERVE THE PROPERTY OF THE PROPERTY O		
2 SERVICE OUTLETS	FLT DK	HCR DK	
	The state of the s		
NOTES PRESSURES (PST)			
ବ 1829 ର 2002 - ୪୪୪୬ କ	3588 , 3868-5868		
2 1986 d 2688 f 3886	999		
Contract of the Party and Contract of the Cont	The second secon	THE R. P. LEWIS CO., LANSING, MICH.	

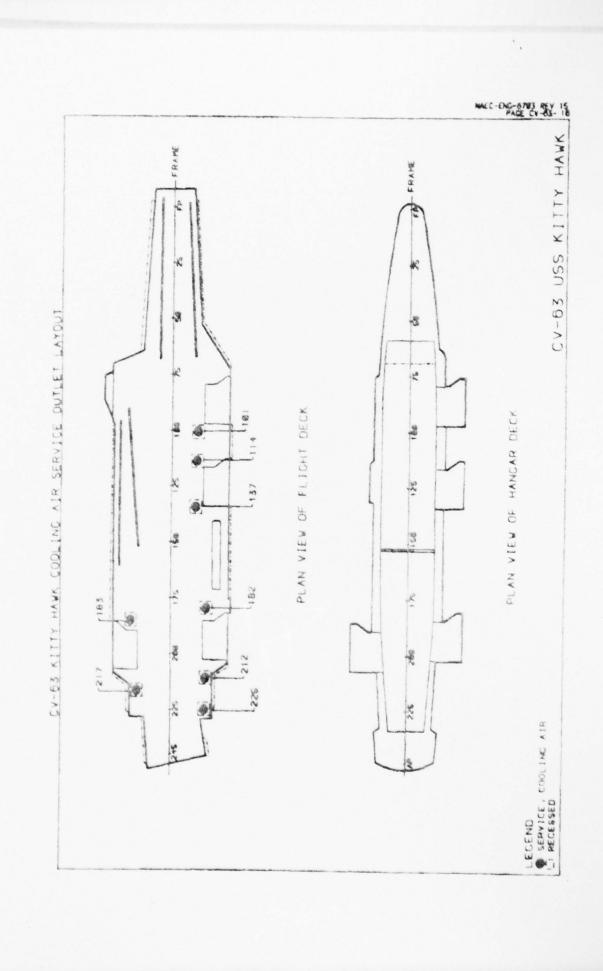
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PAGE CY-03	783 REV 15		·			 			
		HCR DK	•				The second secon		
		FLT DK	91				And the state of t		
AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX SUMMARY	AIRCRAFT INERTIAL ALICNMENT SYSTEM		I ALTONNENT OUTLET BOXES IANALOGZDIGITAL I						



- Contractor

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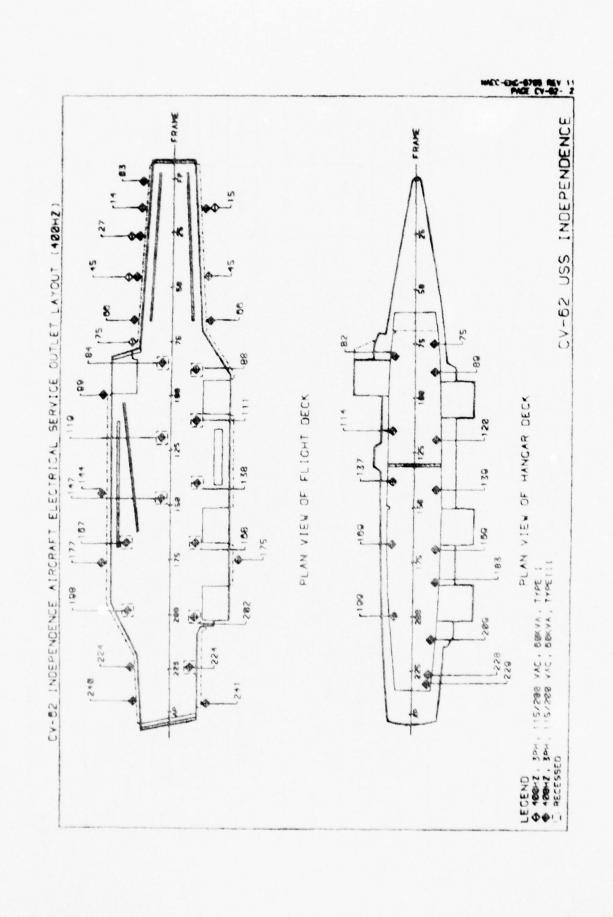


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CATEGORY	Aircraft Electrical Service Outlet Summary (480 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	2 Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	3 AVIATION Fuel Service Summary Aviation Fuel Service Outlet Layout	4 Compressed Air Service Summary Compressed Air Service Outlet Layout	S Combat Readiness Station Service Summary Combat Readiness Station Layout	6 Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout	7 Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	8. Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Loyout

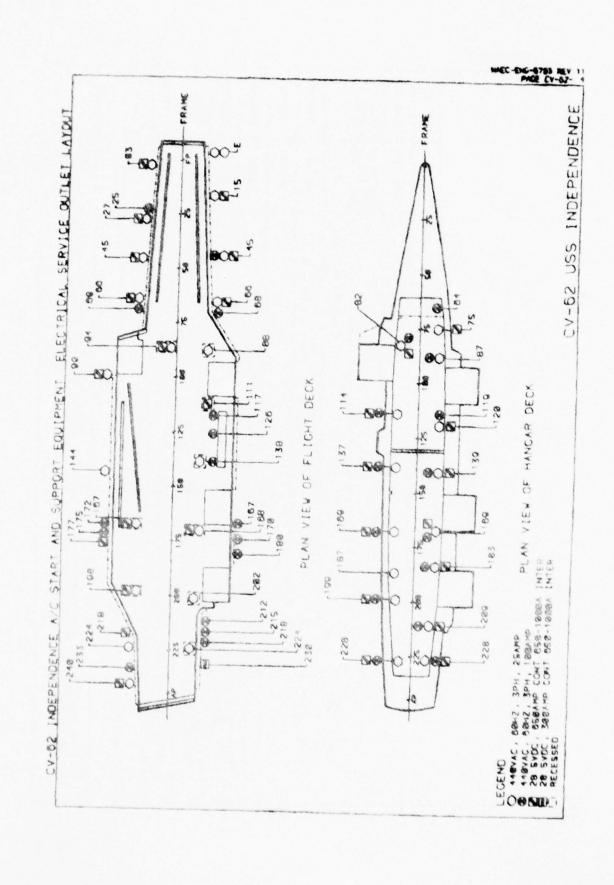
LATEST CHECK - JUNE 1973

USS INDEPENDENCE

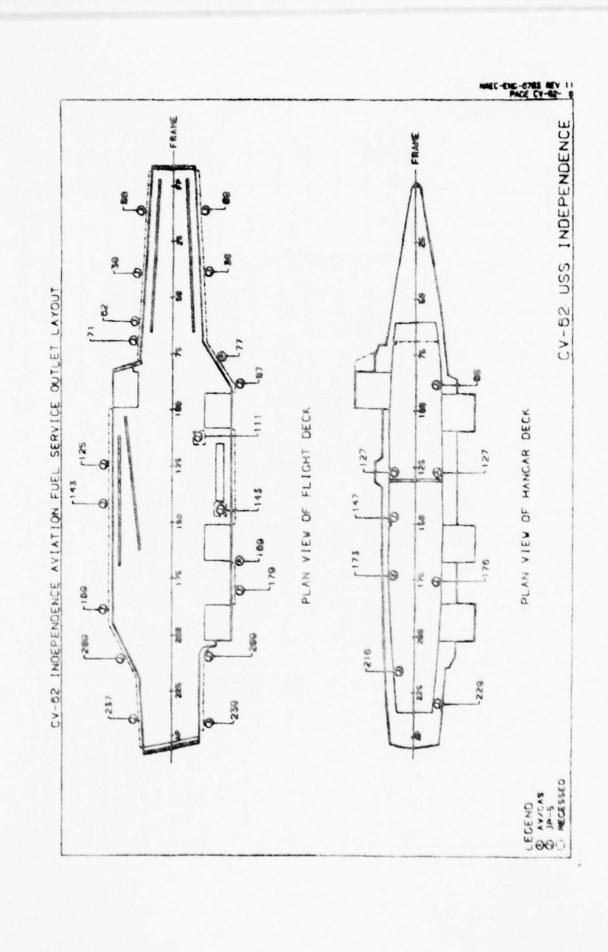
4084 2,3PH,115/200 VAC,30KVA,17po 1 4084 2,3PH,115/200 VAC,30KVA,17po 1 4084 2,3PH,115/200 VAC,50KVA,17po 1 4084 2,3PH,115/200 VAC,60KVA,17po 1 4084 2,3PH,115/200 VAC,60KVA,1
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5 52
52



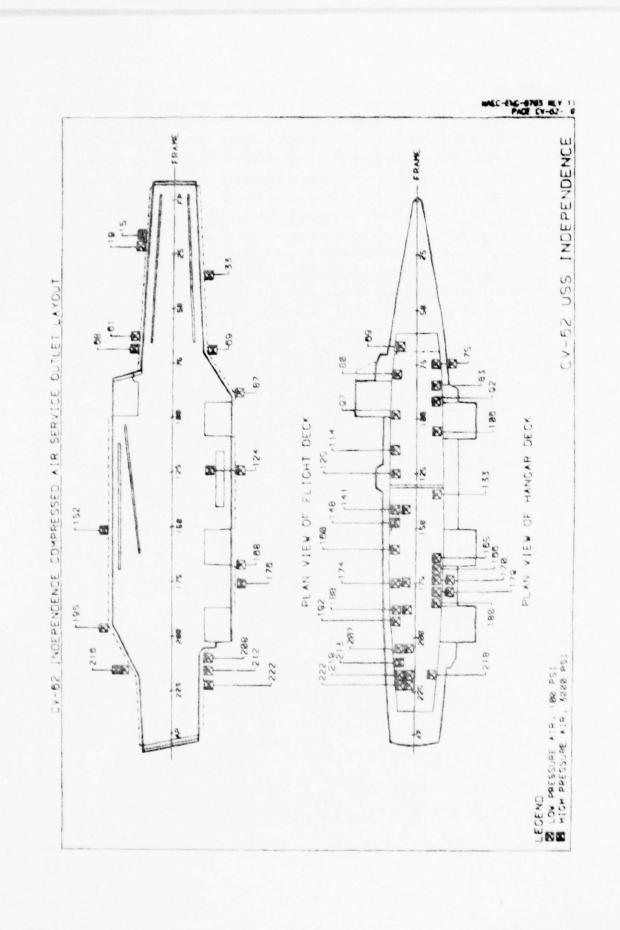
440 VAC SUPPORT EQUIPMENT SERVICE 28 S VOC A/C SERVICE AND START 448 VAC 6842, 3P4, 25 AMP 448 VAC, 6842, 3P4, 188 AMP 28 S VOC, 288 AVP Continuous 28 S VOC, 288 AVP Continuous 28 S VOC, 388 AVP Conti, 688 A Inter 38 S VOC, 388 AVP Conti, 688 Inter 39 S VOC, 388 AVP Conti, 688 Inter 30 S VOC, 388 AVP Conti, 688 Inter	440 VAC SUPPORT EQUIPMENT SERVICE 28 S VDC A/C SERVICE AND START 440 VAC SUPPORT EQUIPMENT SERVICE 8 VAC 66Hz, 3PH, 25 AMP 28 S VDC A/C SERVICE AND START 5 VDC, 288 AMP Continuous 5 VDC, 288 AMP Continuous 5 VDC, 388 AMP Continuous 5 VDC, 588 AMP Continuous 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AZC START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY		
8 VAC, GGHZ, 3PH, 25 AMP 8 VAC, GGHZ, 3PH, 180 AMP 8 VAC, GGHZ, 3PH, 180 AMP 28 S VDC A/C SERVICE AND START 5 VDC, 220 AMP Continuous 5 VDC, 280 AMP Conti, 680 to 980 A Inter 5 VDC, 380 AMP Conti, 680 to 1800 A Inter 5 VDC, 380 AMP Conti, 680 to 1800 A Inter 5 VDC, 380 AMP Conti, 680 to 1800 A Inter 5 VDC, 380 AMP Conti, 650 to 1800 A Inter 5 VDC, 380 AMP Conti, 650 to 1800 A Inter	8 VAC GONE, 3PH, 25 AMP 8 VAC, 68Hz, 3PH, 188 AMP 28 VAC, 68Hz, 3PH, 188 AMP 28 S VDC A/C SERVICE AND START 5 VDC, 288 AMP Continuous 5 VDC, 288 AMP Conti, 688 to 1888 A Inter 5 VDC, 388 AMP Conti, 688 to 1888 A Inter 5 VDC, 588 AMP Conti, 688 to 1888 A Inter 5 VDC, 588 AMP Conti, 688 to 1888 A Inter 5 VDC, 588 AMP Conti, 658 to 1888 A Inter 5 VDC, 588 AMP Conti, 658 to 1888 A Inter	440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START		
8 VAC 56442, 3PH, 25 AMP 8 VAC 6442, 3PH, 649 AMP 8 VAC 6442, 3PH, 1888 AMP 28 5 VDC AZC SERVICE AND START 5 VDC, 288 AMP Continuous 5 VDC, 388 AMP Continuous 5 VDC, 388 AMP Conti, 688 to 1888 A Inter 5 VDC, 388 AMP Cont, 658 to 1888 A Inter 5 VDC, 388 AMP Cont, 658 to 1888 A Inter 5 VDC, 588 AMP Cont, 658 to 1888 A Inter 5 VDC, 588 AMP Cont, 658 to 1888 A Inter	8 VAC GONE, 3PH, 25 AMP 8 VAC, 68Hz, 3PH, 188 AMP 8 VAC, 68Hz, 3PH, 188 AMP 28 5 VDC AZC SERVICE AND START 5 VDC, 288 AMP Continuous 5 VDC, 288 AMP Conti, 688 to 1888 A Inter 5 VDC, 388 AMP Conti, 688 to 1888 A Inter 5 VDC, 388 AMP Conti, 658 to 1888 A Inter 5 VDC, 588 AMP Conti, 658 to 1888 A Inter 5 VDC, 588 AMP Conti, 658 to 1888 A Inter 5 VDC, 588 AMP Conti, 658 to 1888 A Inter	418 VAC SUPPORT EQUIPMENT SERVICE	FLT 08	5
8 VAC, 640Hz, 3PH, 64 ANP 8 VAC, 68Hz, 3PH, 188 ANP 28 5 VDC AZC SERVICE AND START 5 VDC, 288 ANP Continuous 5 VDC, 388 ANP Conti, 688 to 1988 A Inter 5 VDC, 388 ANP Cont, 688 to 1988 A Inter 5 VDC, 388 ANP Cont, 688 to 1988 A Inter 5 VDC, 388 ANP Cont, 688 to 1988 A Inter 5 VDC, 588 ANP Cont, 688 to 1988 A Inter 5 VDC, 588 ANP Cont, 688 to 1988 A Inter	8 VAC , 648Hz , 3PH , 648 ANP 8 VAC , 648Hz , 3PH , 1888 ANP 28 5 VDC A/C SERVICE AND START 5 VDC , 288 ANP Continuous 5 VDC , 388 ANP Cont , 688 to 1888 A Inter 5 VDC , 388 ANP Cont , 688 to 1888 A Inter 5 VDC , 388 ANP Cont , 658 to 1888 A Inter 5 VDC , 558 ANP Cont , 658 to 1888 A Inter 5 VDC , 558 ANP Cont , 658 to 1888 A Inter 5 VDC , 558 ANP Cont , 658 to 1888 A Inter	-	12	ıs
8 VAC., 580Hz, 3PH, 1888 AMP 28 5 VDC A/C SERVICE AND START 5 VDC, 288 AMP Continuous 5 VDC, 288 AMP Conti, 688 to 988 A Inter 5 VDC, 388 AMP Conti, 688 to 1888 A Inter 5 VDC, 388 AMP Conti, 658 to 1888 A Inter 5 VDC, 388 AMP Conti, 658 to 1888 A Inter 5 VDC, 658 AMP Conti, 658 to 1888 A Inter	8 VAC., 589Hz, 3PH, 1888 AMP 28 5 VDC AZC SERVICE AND START 5 VDC, 288 AMP Cont., 688 to 988 A Inter 5 VDC, 388 AMP Cont., 688 to 1888 A Inter 5 VDC, 388 AMP Cont., 658 to 1888 A Inter 5 VDC, 388 AMP Cont., 658 to 1888 A Inter 5 VDC, 588 AMP Cont., 658 to 1888 A Inter 5 VDC, 588 AMP Cont., 658 to 1888 A Inter	VAC. BOHZ. 3PH, BE	ğ	¥Q.
S VDC, 288 AVP Continuous S VDC, 388 AVP Continuous S VDC, 388 AVP Cont , 688 to 988 A Inter S VDC, 388 AVP Cont , 688 to 1888 A Inter S VDC, 388 AVP Cont , 658 to 1888 A Inter S VDC, 388 AVP Cont , 658 to 1888 A Inter	S VDC, 200 AVP Continuous S VDC, 300 AVP Continuous S VDC, 300 AVP Cont , 600 to 900 A Inter S VDC, 300 AVP Cont , 600 to 900 A Inter S VDC, 300 AVP Cont , 600 to 1000 A Inter S VDC, 300 AVP Cont , 600 to 1000 A Inter S VDC, 500 AVP Cont , 600 to 1000 A Inter 1 1	VAC, SBHZ,	9:	4
5 VDC, 288 AYP Continuous 5 VDC, 388 AYP Cont., 688 to 988 A Inter 5 VDC, 588 AYP Cont., 688 to 1888 A Inter 5 VDC, 588 AYP Cont., 658 to 1888 A Inter 5 VDC, 558 AYP Cont., 658 to 1888 A Inter 5 VDC, 658 AYP Cont., 658 to 1888 A Inter	5 VDC, 288 AYP Continuous 5 VDC, 388 AYP Cont., 688 to 988 A Inter 5 VDC, 588 AYP Cont., 688 to 988 A Inter 5 VDC, 588 AYP cont., 658 to 1888 A Inter 5 VDC, 588 AYP Cont., 658 to 1888 A Inter 5 VDC, 588 AYP Cont., 658 to 1888 A Inter	S YDC A/C		
S VDC, 388 AMP Cont., 688 to 988 A Inter S VDC, 588 AMP cont., 688 to 1888 A Inter S VDC, 388 AMP cont., 658 to 1888 A Inter S VDC, 658 AMP Cont., 652 to 1888 A Inter	5 VDC, 388 AMP Cont., 688 to 988 A Inter 5 VDC, 588 AMP cont., 688 to 1888 A Inter 5 VDC, 388 AMP cont., 658 to 1888 A Inter 5 VDC, 658 AMP Cont., 658 to 1888 A Inter	5 VDC , 2000 AVP	34OM	¥0¥
5 VDC, 588 AMP Cont., 888 to 1888 A Inter 5 VDC, 388 AMP cont., 858 to 1888 A Inter 5 VDC, 658 AMP Cont., 858 to 1888 A Inter	S VDC, 588 AMP Cont., 888 to 988 A Inter S VDC, 388 AMP Cont., 858 to 1888 A Inter S VDC, 658 AMP Cont., 858 to 1888 A Inter	5 VDC, 388 AMP Cont , 688 to 988	MONE	NONE
S VDC, 388 AMP cont , 058 to 1888 A Inter S VDC, 658 AMP Cont , 058 to 1888 A Inter	S VDC, 388 AMP cont, 558 to 1888 A Inter S VDC, 558 AMP Cont, 558 to 1888 A Inter	5 VDC, 688 ANP CONT., 888 10 988	NOVE	MONE
5 VOC, 658 AMP Con! , 858 to 1868 A Inter	5 VOC., 658 AMP Cont., 658 to 1888 A Inter	5 YDC, 388 AMP cont , 558 to 1888	-	NOVE
The second district of		5 VOC., 858 AMP Cont., 858 to 1868	8	13

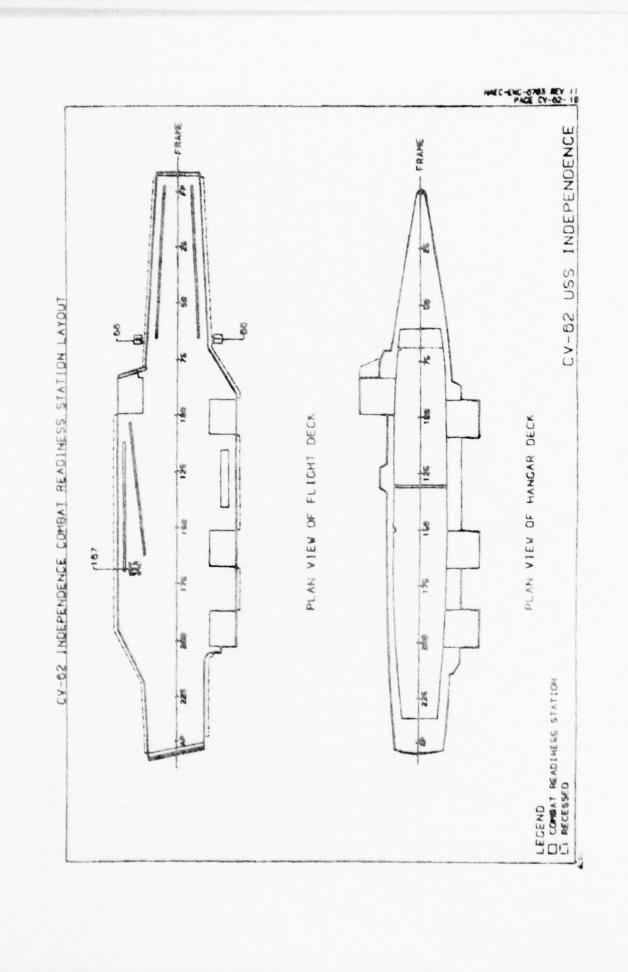


AVIATION GASOLINE AND JP-5	S		
		AV/CAS	3-df
I CAPACITY CAL 95%	And the second s	165,586	1,178,306
SERVICE OUTLETS		F. 98	2 FLT DK 17
HOSES PER OUTLET	NOTES 1 & 2	8	•
SERVICE QUILET CAPACITY, CPHIPSI	MOTE 3	183748	288/48
a TWO DUTLETS OPERATING		123/18	288/48
b FOUR OUTLETS OPERATING	manifestation of states and state	166/48	85/882
c SIX QUILETS OPERATING		N/A	268/48
DEFUELING CAPACITY PER SERVICE OUTLET CPM		8	83
DEFUELING CAPACITY PER PORTABLE PUMP OPH		95	33
MOTES 1 JP-5 STATIONS AT FR 71 AND FR 62 FLT DK PORT ARE(2) TWO HOSE OUTLETS, AVZGAS STATIONS 2 ALL HANGAR DECK STATIONS ARE (2) TWO HOSE OUTLETS FR 77 AND 164 STRO ARE 4 HOSE STATIONS	OUTLETS, AV/CAS	STATIONS DSE STATIO	9

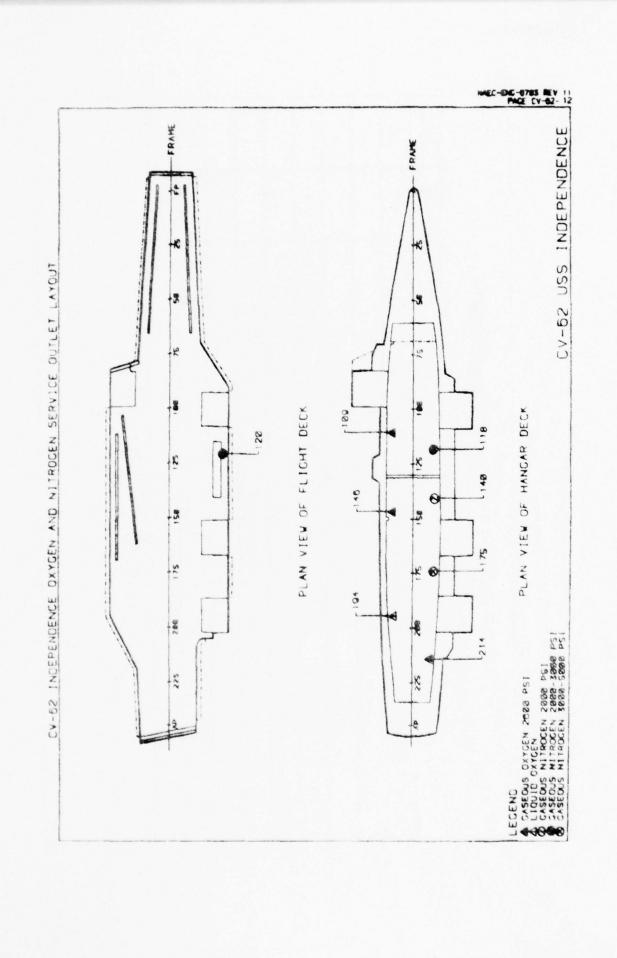


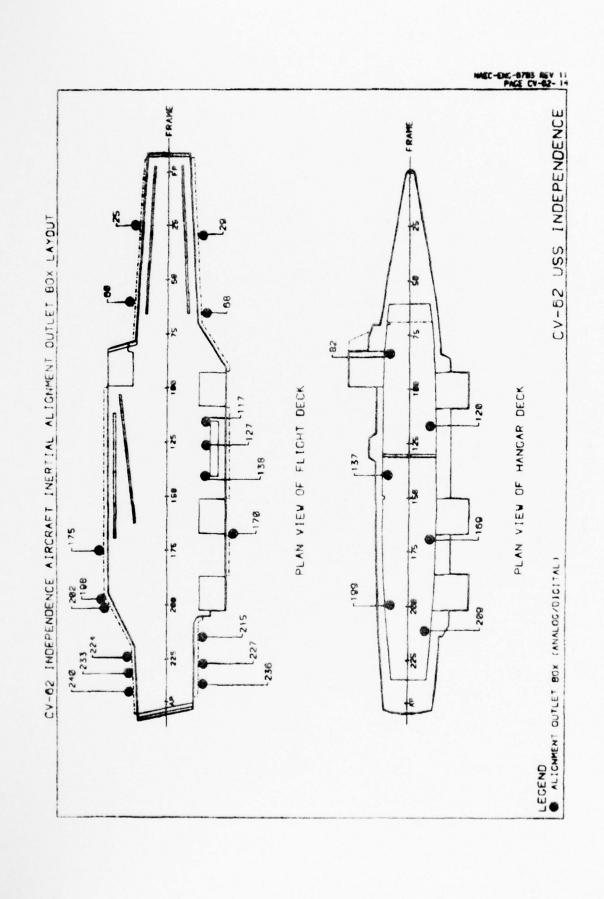
COMPRESSED AIR		
LOW PRESSURE	FLT 0K	20 83
I SERVICE OUTLETS . 188 PS.	a	33
REDUCED PRESSURE		
1 SERVICE OUTLETS @	MONE	NONE
MEDIUM PRESSURE		
I SERVICE OUTLETS & 1968 PSI	NONE	NONE
MEDIUM TO MICH PRESSURE		
1. SERVICE CUTLETS @ 1888 to 3000 PSI (VARIABLE)	NONE	NONE
HICH PRESSURE		
1 SERVICE DUTLETS @ 3200 PSI	a	2
TIRE CHANGING AIR		
1 SERVICE OUTLETS &	NOWE	MONE





SERVICE OUTLETS, LIQUID CALS 2 GENERALTING CAPACITY, LIQUID CALS 2 GENERALTING CAPACITY CPH 3 SERVICE OUTLETS, CASEOUS NITROGEN (OIL FREE) 2 SERVICE OUTLETS, CASEOUS NITROGEN (OIL FREE) 2 SERVICE OUTLETS 2 SERVICE OUTLETS RESPUE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 2 SERVICE OUTLETS NOTES NOTES 1 STORAGE CAPACITY OF SBORD PSI 2 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 1 STORAGE CAPACITY OF SBORD PSI 2 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 2 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 3 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 3 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 4 SERVICE OUTLETS 5 LT OK NOWE 7 LT OK NOWE 8 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 8 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 8 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 8 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 8 SERVICE OUTLETS 8 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 8 SERVICE OUTLETS 9 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 9 SERVICE OUTLETS 1 STORAGE CAPACITY OF SBORD PSI 1 STORAGE CAPACITY OF SB			
28 6 LIGUID GALS 28 6 LIGUID L	EN		
LIQUID FLT DK NOWE HOR DK GASEOUS FLT DK NOWE HOR DK FLT DK NOWE HOR DK FLT DK I® HOR DK FLT DK I® HOR DK FLT DK I® HOR DK FLT DK NOWE HOR DK NOW		2852	
FREE 1 FREE 1	>-		
FREE 1 FREE 1 FREE 1 FREE 1 FLI OK 19 FLI OK 19 FLI OK NOWE FLI OK HOWE	OUTLETS, L		MGR DK 1
FREE) (a) 5000 PSI	WICE GUTLETS, GASEOUS	š	HGR DK 3 ^d
FREE 1 (31 5000 PSI			
APACITY at 5000 PSI WILETS APACITY of 3800 PSI APACITY of 3800 PSI APACITY of 3800 PSI APACITY of 3800 PSI RESSURES (PSI) 2000 a 2000 - 3000 g 3500 i 5000			
NOTLETS APACITY of 3800 PS! NOWE NOWE FLT DK 10 HGR NOTETS FLT DK HOWE HGR RESSURES (PS!) 2800 a 2500 - 3600 g 3560 ; 5800	2000		
NOTE TO A SERVE PS! NOTE NUTLETS RESSURES (PS!) 2000 - 3000 - 3000 5000 5000	WICE OUTLETS	ă	
APACITY of 3888 PS! NOWE FLT DK HONE HGR RESSURES (PS!) 2868 & 2868 - 3868 ; 5868			
CE CAPACITY of 3888 PS! CE OUTLETS FLT OK HONE HGR PRESSURES (PS!) c 2468 a 2868 - 3868 i 5868	ROCEN		
CE DUTLETS PRESSURES (PSI) c 2000 - 3000 g 3500 ; 5000	ō	NOWE	
PRESSURES (PSI)			HCR DK NOWE
PRESSURES (PSI)			
c 2000 a 2000 - 3000 9 3500	PRESSURES		
The state of the s	c 2000 a 2000 - 3000 9	1 5888	
10000 d 2000 f 3000 h 500	d 2000 1 5000		





CATEGORY

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-2 2

7 (400 HZ)
Summary
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Service
Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)
Aircraft

2 Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC	Aircraft Electrical and Support Equipment Service Outlet Lavout (28 5 VDC, 448 VAC)
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20	ampres	pess	ALT	Service	Summar Ourle	Compressed Air Service Summary Compressed Air Service Outle: Layour

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Combat Readiness Station Service Summery Combat Readiness Station Layout	Oxygen and Nitragen Service Summary Oxygen and Nitragen Service Outlet Layout
Read	9 00
	Oxygen Oxygen
n	Ø

Summory	1 Summary 1 Layout
Box	Our le
Juiller Juiller	1 × 1 × 1
ignment (Starting
~~	ong bug
Inertio	Cooling
Aircraft Ingrisal Alignment Outlet Box Summary Aircraft Ingrisal Alignment Outlet Box Layout	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout
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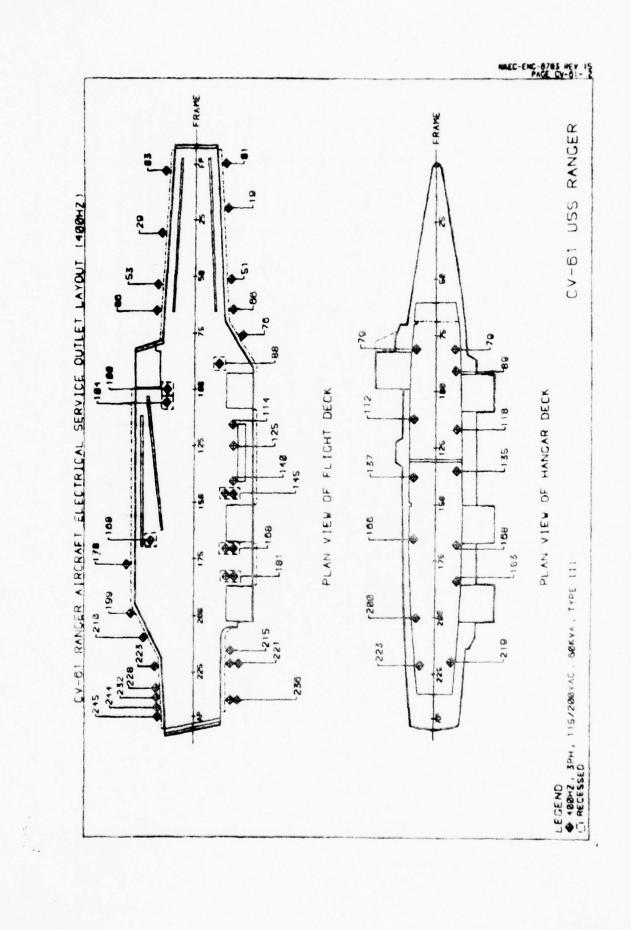
USS RANGER

LATEST CHECK - AUGUST 1978

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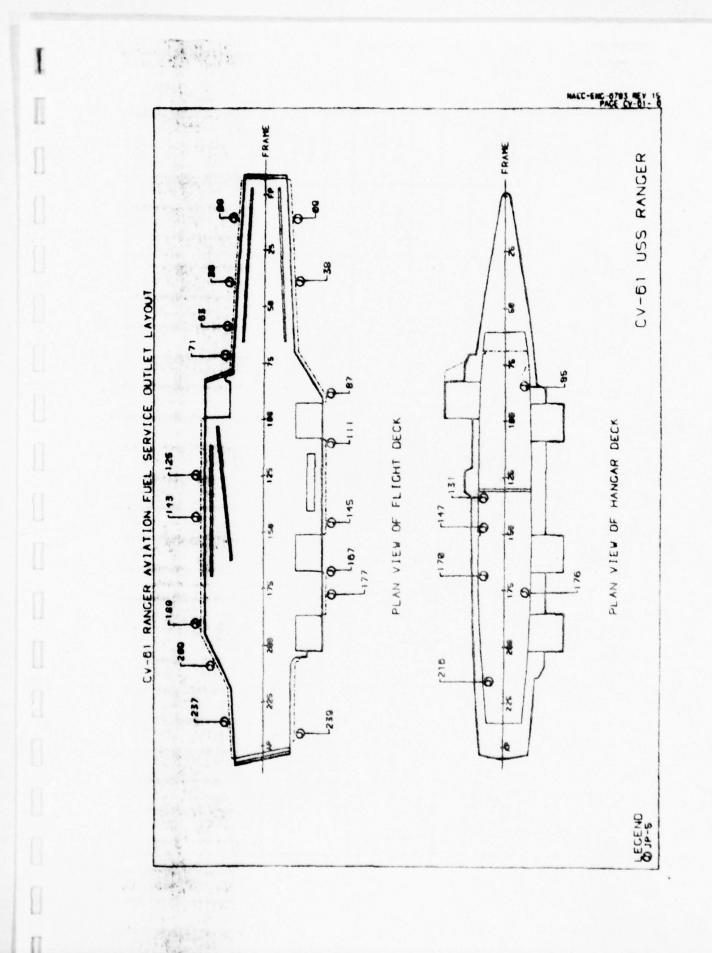
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A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY		
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START		
448 VAC SUPPORT EQUIPMENT SERVICE	FLT DK	HGR DK
118 VAC 68HZ, 3PH, 25 AMP	15	=
448 VAC. 68HE, 3PH, 68 AMP	MONE	MON
VAC, 68HZ, 3PH, 186 AMP	10	14
28 S VDC A/C SERVICE AND START		
VDC, 200 AMP Continuous	NON	NONE
VDC, 388 AMP Cont , 688 to 988 A Inter	NONE	NOME
VDC, 688 AMP Cont., 688 to 988 A Inter	2	NONE
VDC, 386 AMP cont , 650 to 1806 A Inter	NO.	NONE
VDC, 658 AMP Cont , 650 to 1088 A Inter	NONE	MONE
	-	-

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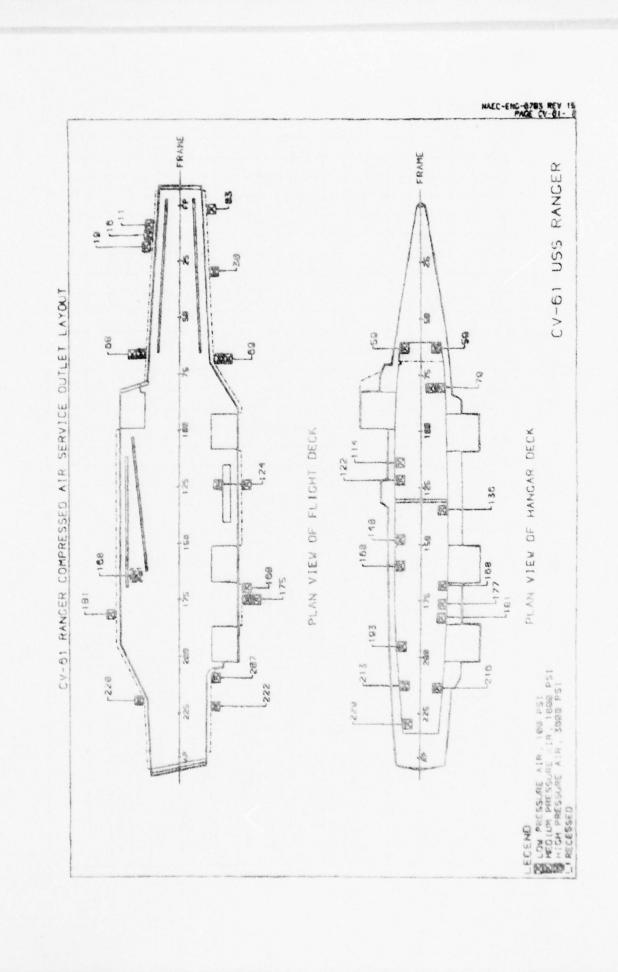
AVIATION CASOLINE AND JP-S 1 CAPACITY CAL. 46X 2 SERVICE OUTLET AVICAS 4 SERVICE OUTLETS OPERATING C SIX OUTLETS OUTLETS OUTLETS OUTLETS C SIX OUTLETS OUTLETS OUTLETS OUTL	AVIATION FUEL SERVICE			
NOWE 1.523.4	AVIATION CASOLINE AND JP-5			
MONE 1,523,4			AV/CAS	JP-5
PACTITY , CPH/PS1 MOKE FLT DK HGR DX HGR DX PACTITY , CPH/PS1 NOTE 2 NOWE FLT DK HGR DX OPERATING NOTE 2 NOWE 288/36 OPERATING NOWE 288/36 OPERATING NOWE 288/36 Y PER SERVICE DUTLET CPH NOWE 288/36 Y PER PORTABLE PUMP CPH NOWE 58 (2) OUTLETS FRAMES 71 AND 63 ARE (2) MOSE OUTLETS SARE (2) MOSE OUTLETS	1		MONE	1,523,420
PACITY , CPH/PS1 NOTE 2 NOWE FLT DK OPERATING NOWE 200/38 OPERATING NOWE 200/38 Y PER SERVICE OUTLET CPH NOWE 200/38 Y PER PORTABLE PUMP CPH NOWE 100 OUTLETS FRAMES 71 AND 63 ARE 121 MOSE OUTLETS SOUTLETS			NON	55
PACTITY, GPHAPSI OPERATING OPERATING OPERATING OPERATING Y PER SERVICE OUTLET GPM Y PER SERVICE OUTLET GPM Y PER PORTABLE PUMP GPM GOUTLETS FRAMES 71 AND 63 APE (21 MOSE OUTLETS	HOSES PER OUTLET	1	NONE	
OPERATING OPERATING OPERATING OPERATING TY PER SERVICE OUTLET COM TY PER PORTABLE PUMP CPM TY PER PORTABLE PUMP CPM TO DUTLETS FRAMES 71 AND 63 ARE 121 MOSE OUTLETS	SERVICE OUTLET CAPACITY, GPM/PSI		NOME	298/39
OPERATING OPERATING Y PER SERVICE OUTLET CPM Y PER PORTABLE PUMP CPM OUTLETS FRAMES 71 AND 63 ARE 121 MOSE OUTLETS OUTLETS FRAMES 71 AND 63 ARE 121 MOSE OUTLETS	140 OUTETS		MONE	266/38
Y PER SERVICE OUTLET CPM Y PER PORTABLE PUMP CPM OUTLETS FRAMES 71 AND 63 ARE 121 MOSE OUTLETS	FOUR OUTLETS		NOME	280/38
Y PER SERVICE OUTLET CPM Y PER PORTABLE PUMP CPM OUTLETS FRAMES 71 AND 63 ARE (21 HOSE OUTLETS	SIX OUTLETS		NON	288/38
T PER PORTABLE PUMP CPH NOME S. S. OUTLETS FRAMES 71 AND 63 ARE (21 HOSE OUTLETS	DEFUELING CAPACITY PER		ZOK.	58
	DEFLUELING CAPACITY PER PORTABLE PUMP GPM		NONE	(2)
1				
	1			



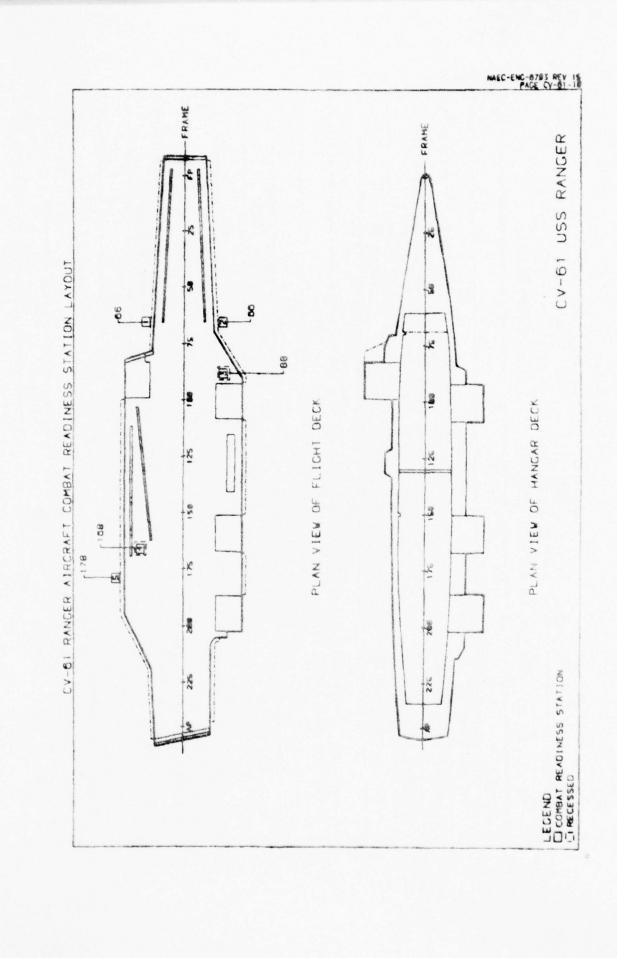
COMPRESSED ATR LOW PRESSURE 1 SERVICE OUTLETS • 1884 PS1 1 SERVICE OUTLETS • 1888 PS1	COMPRESSED AIR SERVICE SUMMARY		
## PS! ### PS! #### PS! ###################################	COMPRESSED AIR		
# PS! ### PS! #### PS! ###################################	LOW PRESSURE	FLT DK	76 OK
80 10 3808 PSI (VARIABLE) 80 10 3808 PSI (VARIABLE) 80 10 3809 PSI (VARIABLE) 80 10 3809 PSI (VARIABLE)	SERVICE DUTLETS	a	13
MOKE MOKE MORE MORE MONE MONE MONE			
MOME 808 10 38088 PSI (VARIABLE) 808 10 58088 PSI (VARIABLE) 809 PSI 809 PSI 809 PSI 809 PSI 809 PSI	REDUCED PRESSURE		
00 PSI 00 10 3600 PSI (VARIABLE) 00 PSI 00 PSI NONE	SERVICE OUTLETS	NONE	NONE
00 PS! 2000 PS! (VARIABLE) NOME NOME B B			
80 TO 3800 PSI (VARIABLE) 80 TO 3800 PSI (VARIABLE) 80 PSI	MEDIUM PRESSURE		The second secon
MONE MONE MONE	SERVICE OUTLETS	2	NONE
SERVICE OUTLETS # 1880 to 3800 PSI (VARIABLE) CH PRESSURE SERVICE OUTLETS # 3800 PSI RE CHANGING AIR SERVICE OUTLETS #	MEDIUM TO HIGH PRESSURE		
CH PRESSURE SERVICE OUTLETS # 3000 PS! RE CHANGING AIR SERVICE OUTLETS #	SERVICE OUTLETS @ 1888 10	NOME	NONE
SERVICE OUTLETS # 3000 PS! RE CHANGING AIR SERVICE OUTLETS #	HICH PRESSURE		
RE CHANGING AIR SERVICE OUTLETS .	SERVICE OUTLETS	В	143
SERVICE OUTLETS .	TIRE CHANGING AIR		
		MONE	NONE

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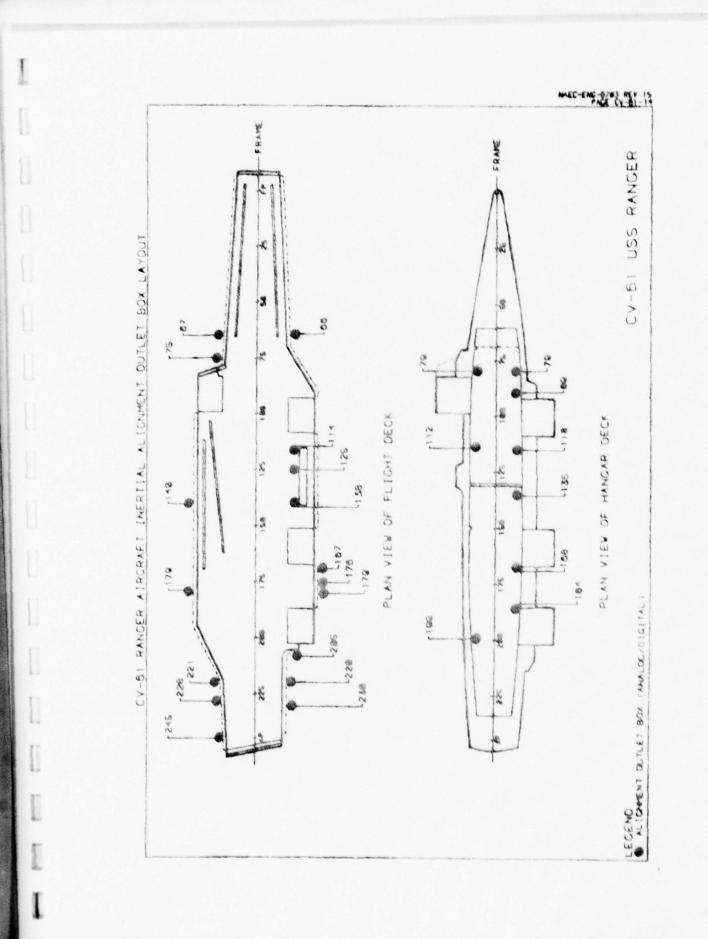
OXYGEN		
STORAGE CAPACITY, LIQUID GALS	2,258	
GENERATING CAPACITY CPH	35	
3 SERVICE OUTLETS, LIQUID	FLT OK. NONE	HGR DK 2
4 SERVICE OUTLETS, CASEOUS	FLT DK NONE	HCA OK 2ª
NITROCEN (OIL FREE)		
STORAGE CAPACITY AT 5000 PSI	128 cu fi	
SERVICE OUTLETS	FLI OK 1º	HGR DK 1°,19
	and the frame of the first of t	
NITROGEN	the consideration of the first of the consideration	
STORACE CAPACITY of 3888 PS1	NOME	
SERVICE OUTLETS	FLT DK NONE	HCR DK NONE
NOTES PRESSURES (PS1)		
1800 c 2000 e 2000 - 3000	2 3500 1 5000	
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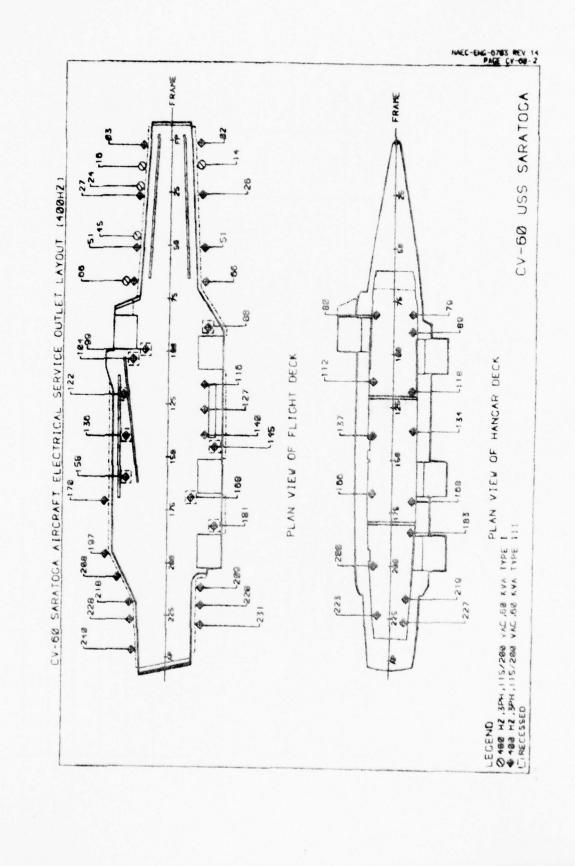
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Aircraft Electrical Service Outlet Summory (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	Aircraft Electrical and Support Equipment Service Duilet Summary (28.5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	Aviation Fuel Service Summery Aviation Fuel Service Outlet Layour	Compressed Air Service Summary Compressed Air Service Outlet Layour	Combat Readiness Station Service Summary Combat Readiness Station Layout	Oxygen and Nifragen Service Summary Oxygen and Nifragen Service Dutlet Layout	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout
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LATEST CHECK - September 1976

USS SARATOGA

-	NO SO	NO.	NOW	4		-		
	FL1 04	MONE	NOW	8				
488HZ AIRCRAFT SERVICE	SERVICE OUTLETS 1 488Hz,3PH,115/208 VAC,38KVA,Type I	2 4884z ,3PH ,115/288 VAC ,38KVA ,Type 111	3 400Hz ,3PH ,115/200 VAC ,600VA ,1ype 1	4 400Hz ,3PH ,115/288 VAC ,58KVA ,Type 111				

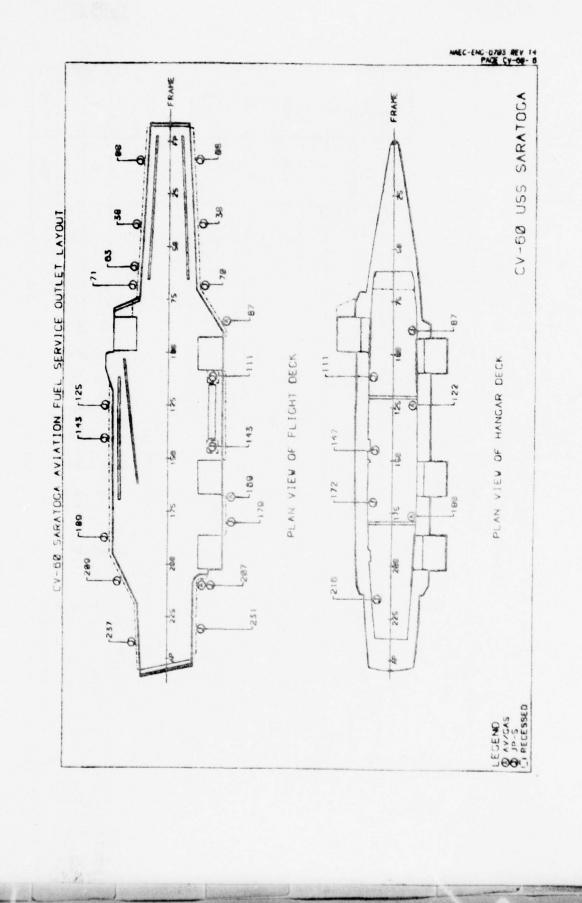
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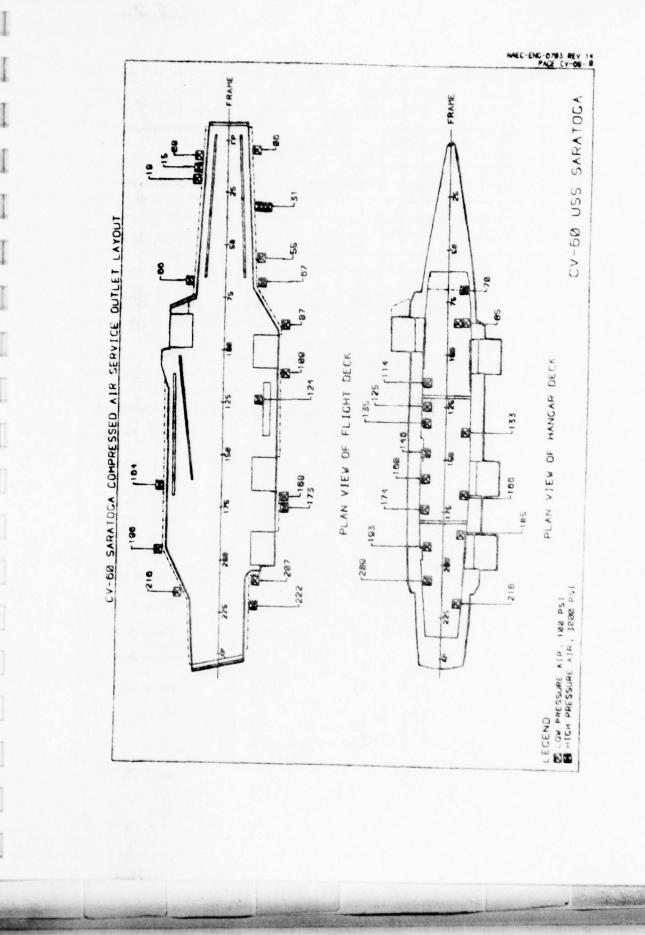
The state of the s

CAPACITY CAL. ACK AV/CAS JP-5 SERVICE OUTLETS 1041.060 1,710.453 SERVICE OUTLETS FILT DK 3 FLT DK 4 FKR DK 2 KR DK	AVIATION GASOLINE AND JP-5			
CAPACITY CAL. 06X CAPACITY CAL. 06X 194.088 1,710.4 SERVICE OUTLET HOTE 0 2 FLT DX 2 HCR DX PCR DX P		AV/	CAS	JP-5
SERVICE OUTLETS HOSES PER OUTLET A TWO OUTLETS OPERATING D. FOUR OUTLETS OPERATING C. SIX OUTLETS OPERATING C. SIX OUTLETS OPERATING DEFUELING CAPACITY PER PORTABLE PUMP CPH DEFUELING CAPACITY PER PUMP CPH DE	I. CAPACITY CAL. 962	-		1,718,453
SERVICE OUTLET CAPACITY, CPA/PSI A TWO OUTLETS OPERATING D. FOUR OUTLETS OPERATING C. SIX OUTLETS OPERATING C. SIX OUTLETS OPERATING C. SIX OUTLETS OPERATING C. SIX OUTLETS OPERATING DEFUELING CAPACITY PER SERVICE OUTLET CPM DEFUELING CAPACITY PER SERVICE OUTLET CPM DEFUELING CAPACITY PER PORTABLE PUMP CPM DEFUELING	2 SERVICE OUTLETS	F. F.	88	28
SERVICE OUTLET CAPACITY, CPALPSI a TWO OUTLETS OPERATING b FOUR OUTLETS OPERATING c SIX OUTLETS OPERATING c SIX OUTLETS OPERATING defueling capacity per service outlet cpm Defueling capacity per service outlet cpm Defueling capacity per portable pump cpm Defueling capacity			1	FLT 94
DEFUELTING CAPACITY PER PORTABLE PUMP CPM	CAPACITY, CPM/PS1			
DEFUELING CAPACITY PER PORTABLE PUMP CPM		288	84/	268/48
OFFUELING CAPACITY PER SERVICE OUTLET CPM DEFUELING CAPACITY PER PORTABLE PUMP CPM 288/48 168 286/49 286/49		28887	48	266/48
APACITY PER SERVICE OUTLET CPM APACITY PER PORTABLE PUMP CPM 25	SIX QUILETS	288/	48	208/46
DEFUELING CAPACITY PER PORTABLE PUMP CPM	DEFUELING CAPACITY PER	9		188
	DEFUELTNC C	*	2	8

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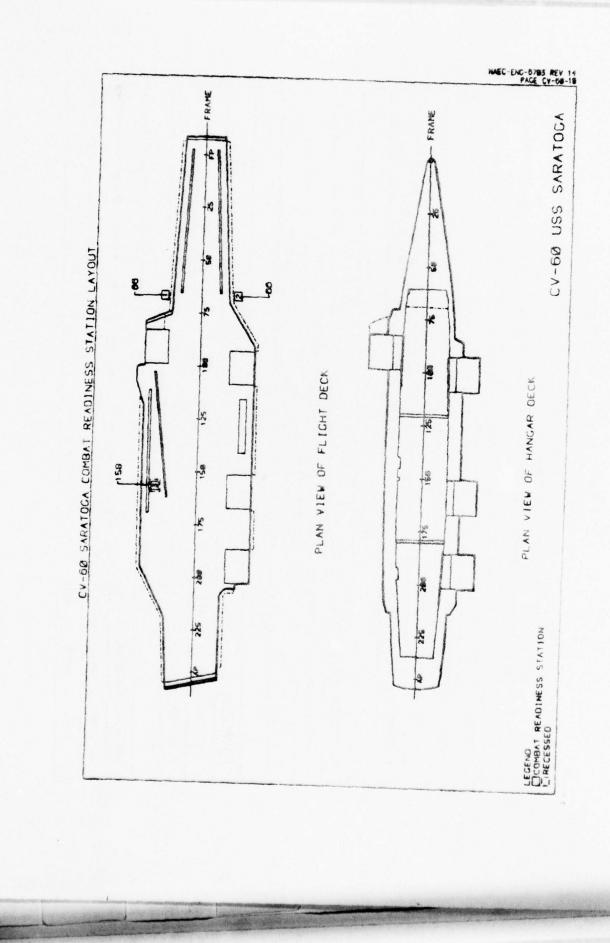


8	COMPRESSED AIR SERVICE SUMMARY		
PS PS I (VARIABLE) NOWE NOWE NOWE NOWE NOWE	COMPRESSED AIR		
MONE MONE	W PWESSURE	FLY DK	3
BIG PSI NOME NOME NOME NOME NOME NOME NOME NOME	SERVICE	•	1.2
## PS1 ### ################################	DUCED PRESSURE		
88 10 3888 PSI (VARIABLE) 88 10 3888 PSI (VARIABLE) 89 PSI		HONE	MONE
88 TO 3888 PSI (VARIABLE) 88 TO 3888 PSI (VARIABLE) 89 PSI			
88 10 3888 PSI (VARIABLE) 88 10 3888 PSI (VARIABLE) 88 PSI	DIUM PRESSURE		
883 TO 38888 PSI (VARIABLE) NOWE	OUTLETS	SHOW.	NONE
TLETS & 1882 to 3888 PSI (VARIABLE) TLETS & 3888 PSI AIR TLETS & MONE	DIUM TO HIGH PRESSURE		
TLETS & 3000 PS; AIR TLETS &	\$ 1583 10 3899 PSI	NOWE	NOME
TLETS & 3000 PS! AIR TLETS & MONE	CH PRESSURE		
ATR TLETS & NOWE	DUTLETS & 3000	G	м
MONE.			
		NOW	NOWE



SERVICES	2 3 4 5 6 7 8 9 10 11 12 13 1 4 15 1 6 1 7 18 10
400 Hz, SPH, IISZZOB VAC 30 KVA, Type 1	
486 Hz, 304, 115/200 VAC 50 KVA, Type 11f	
185 HZ, 3PH, 115/280 VAC 60 KVA, Type I	
408 Hz , 3PH , 115/200 VAC 80 KVA , Type III	
448 VAC, BØ HZ, 3PH, 25A	
448 VAC, 08 Hz, 3PH, 58A	
448 VAC, 58 MZ, 3PH, 188A	-
28 5 VDC, 288A Cont	
28 S YDC, 388A Cont 658 to 1888A Inter	
28 S VDC, COSA CONT 500 to ROSA Inter	
28 S VDC, 658A Cont 658 to 1888A Inter	
28 G VDC, 800A Cont. 880 to 1990A Inter	
COOL ING AIR	
STARTING AIR	
SINS (DUAL OUTLET)	
SINS (SINCLE OUTLET)	
RECESSED	×

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STORAGE CAPACITY CPH 20 0			
SERVICE OUTLETS, LIQUID SERVICE OUTLETS, LIQUID SERVICE OUTLETS, CASEOUS SERVICE OUTLETS, CASEOUS SERVICE OUTLETS, CASEOUS SERVICE OUTLETS, CASEOUS SERVICE OUTLETS FLT DK NOWE HOR DK 1 SERVICE OUTLETS FLT DK NOWE HOR DK 1 SERVICE OUTLETS FLT DK NOWE HOR DK 1 SERVICE OUTLETS SERVICE OUTLETS SERVICE OUTLETS SERVICE OUTLETS FLT DK NOWE HOR DK 10 SERVICE OUTLETS FLT DK NOWE HOR DK 10 SERVICE OUTLETS SERVICE OUTLETS FLT DK NOWE HOR DK NO SERVICE OUTLETS SERVICE OUTLETS FLT DK NOWE HOR DK NO SERVICE OUTLETS FLT DK NOWE FLT DK NOWE FLT DK NOWE HOR DK NO SERVICE OUTLETS FLT DK NOWE FLT DK	CATUREN		
SERVICE OUTLETS, LIQUID SERVICE OUTLETS, CASEOUS FLT DK NONE HCR DK 1 SERVICE OUTLETS, CASEOUS FLT DK WONE HCR DK 1 SERVICE OUTLETS SERVICE OUTLETS SERVICE OUTLETS SERVICE OUTLETS FLT DK 20 11 1588 CAL LIQUID FLT DK 20 11 HCR DK 40 FLT DK 20 11 HCR DK NONE HCR DK NONE FLT DK NONE HCR DK NONE HCR DK NONE SERVICE OUTLETS SERVICE OUTLETS SERVICE OUTLETS 1988 C 2002 4 3080 - 3808 1 5808 1988 C 2002 4 3080 - 3808 N 508	STORAGE CAPACITY, LIQUID	1400	
### FLT DK NDME HCR DK 1 ####################################	CEMERATING		entere esta constante esta esta esta esta esta esta esta es
### FLT DK NOVE HCR DK 1 HCR DK NO HCR DK NO	SERVICE		1
(01L FREE) APACITY at 5000 PS1 APACITY at 3000 PS1 RESSURES (PS1) 2000 a 2000 a 2000 3500 n 500	4 SERVICE DUTLETS, CASEOUS	DK NOVE	- KO 64
COIL FREE			
APACITY of 5000 PST	1		
UTLETS WARNITY AT 38888 PST WILETS RESSURES (PST) 2888 I 5888 R 2688 I 5888 R 2688 I 5888	STORACE CAPACITY or 5000	E no	
APACITY at 38988 PSI 3688 cu ft WILETS RESSURES (PSI) 2008 a 2008 - 3898 u 5898 2008 h 5008		0K 2°	40
APACITY or 38890 PSI 3889 cu ft WILETS RESSURES (PSI) 2080 a 2086 - 3890 g 35890 i 5893 2080 t 3080 n 589			
SERVICE CAPACITY at 38988 PSI 388 cu ft SERVICE OUTLETS FLT DK NONE HCR DK DTES PRESSURES (PSI) 1988 c 2888 t 3888 n 5888 1 5888 1988 d 2688 t 3888 n 5888 n 588	NITROGEN		
SERVICE DUTLETS FLT DK NONE HCR DK DTES PRESSURES (PSI) 1988 c. 2002 s. 2006 3560 g. 3560 i. 5803 1988 d. 2002 i. 3000 n. 500 n. 500	STORAGE CAPACITY OF 3898	no	
1998 c 2068 s 2086 - 3890 g 3500 1	SERVICE OUTLE	š	- 1
1898 c 2068 s 2086 - 3890 g 3500 1			
1998 c 2060 a 2086 3600 g 3596 1	PRESSURES		
1988 d 2684 t 3989 n	1508 c 2003 a 2006 3000 g	-	
	1988 d 2584 t 3989		

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CATEGORY	Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	Aviation Fuel Service Summery Aviation Fuel Service Outlet Layout	Compressed Air Service Summery Compressed Air Service Outlet Layout	Combat Readiness Station Service Summary Combat Readiness Station Layout	Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Guilet Layout	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	Aircraft Coaling and Starting Air Outlet Summary Aircraft Coaling and Starting Air Outlet Layout
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LATEST CHECK - AUGUST 1877

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15/28@ VAC, 38@VA, Type 111 15/28@ VAC, 58@VA, Type 1 15/28@ VAC, 68@VA, Type 1 15/28@ VAC, 68@VA, Type 111 15/28@ VAC, 68@VA, Type 111 15/28@ VAC, 68@VA, Type 1111 15/28@ VAC, 68@VA, Type 1111 15/28@ VAC, 68@VA, Type 1111	
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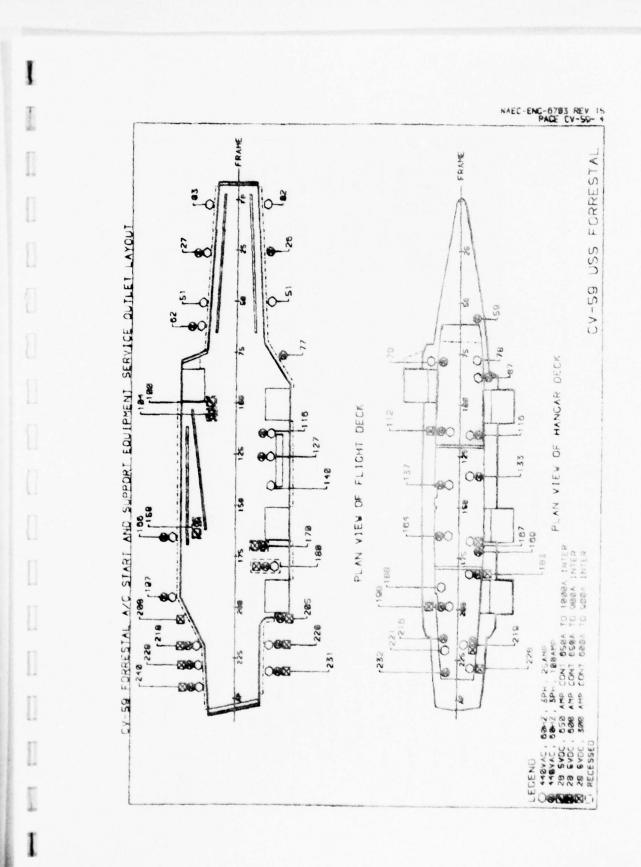
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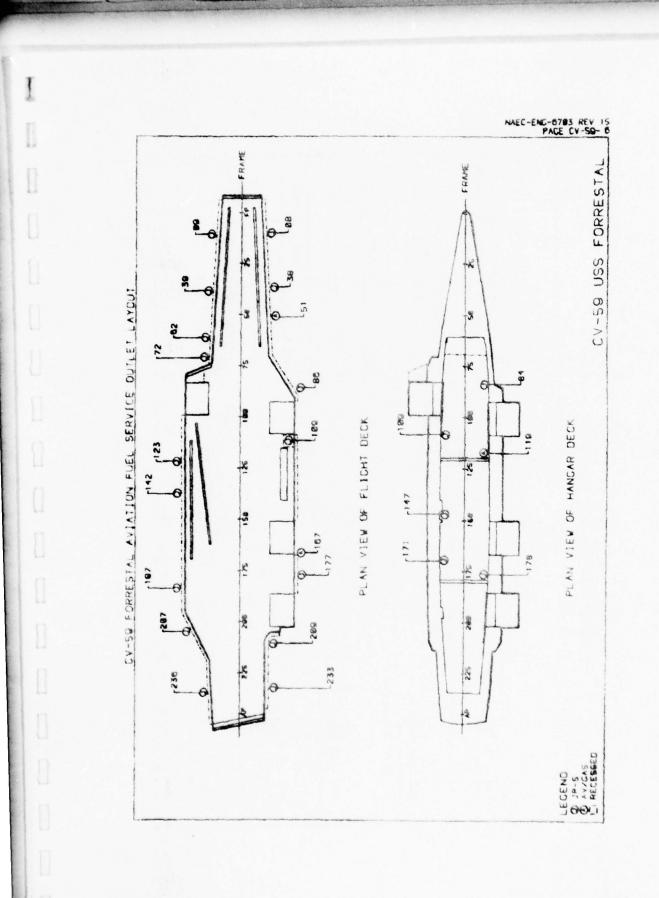
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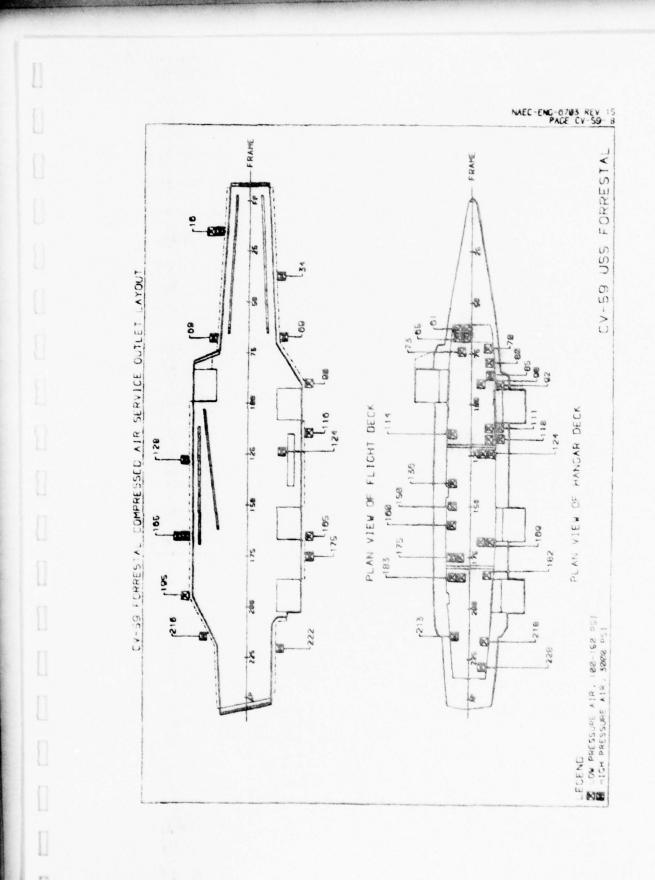


COMPRESSED AIR SERVIC	SERVICE SUMMARY	
COMPRESSED AIR		
Sauce Pressure	FLT DR	HCR DK
1 SERVICE OUTLETS & 100-150 PS1	*	52
REDUCED PRESSURE		
SERVICE OUTLETS .	NONE	NONE
MEDIUM PRESSURE		
SERVICE OUTLETS # 1880 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
SERVICE OUTLETS & 1860 to 3000 PS! (VARIABLE)	NOME	NONE
HIGH PRESSURE		
SERVICE OUTLETS . 3000 PS1		S
TIRE CHANGING AIR		
SERVICE OUTLETS .	NONE	NONE
	Control of the Contro	

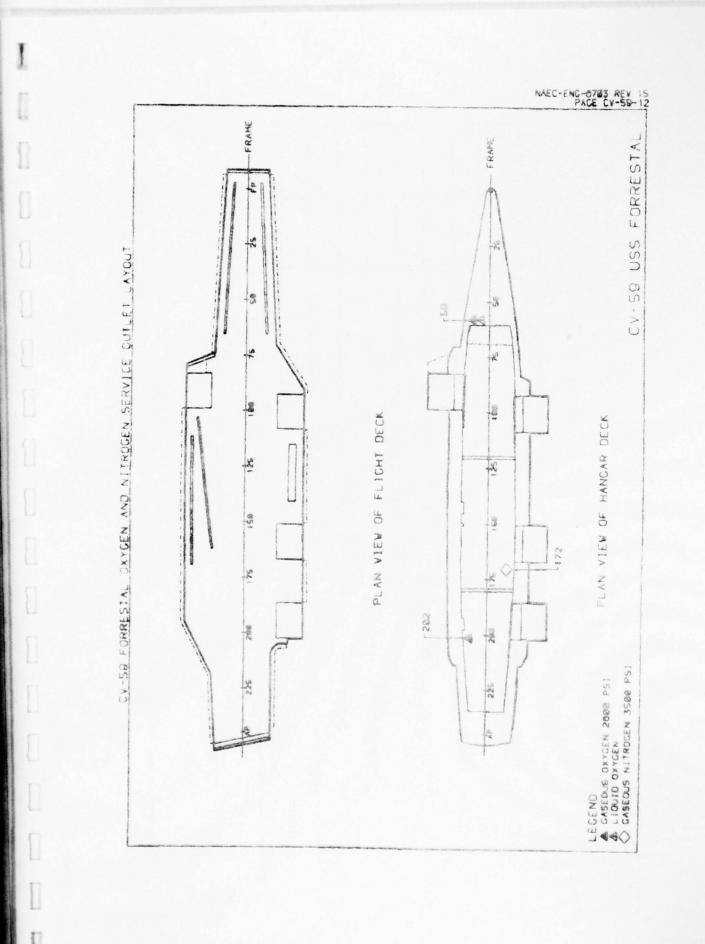
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COLUMN CONTRACTOR CONTRACTOR COLUMN C	OXYGEN AND NITROCEN SERVICE SUMMARY	SUMMARY	ACC -CY-
OXYGEN			
1 STORAGE CAPACITY, LIQUID GALS	ISBB CAL	The second secon	
2 GENERATING CAPACITY GPH	15-18		The second secon
3 SERVICE OUTLETS, LIQUID	FLT OK NONE	HCR QK 1	
+ SERVICE GUTLETS, CASEGUS	FLT DK NOWE	HCR DK 2d	
NITROCEN (OIL FREE)			
1 STORACE CAPACITY AT 50000 PS1	58 cu f1		
2 SERVICE OUTLITS	FLT OK NONE	HCR DK NONE	
1 STORACE CAPACITY OF 3080 PS.	120 CU FT		
2 SERVICE QUILETS	FLT DK NOWE	HCR DK 19	
NOTES PRESSURES (PST)			
e 1889 c 2888 s 2888 - 3888 c 3	3569 5068		The same of the sa
b 1988 d 2680 f 3880	6.60		The second secon
	A CONTRACTOR OF THE PARTY OF TH		

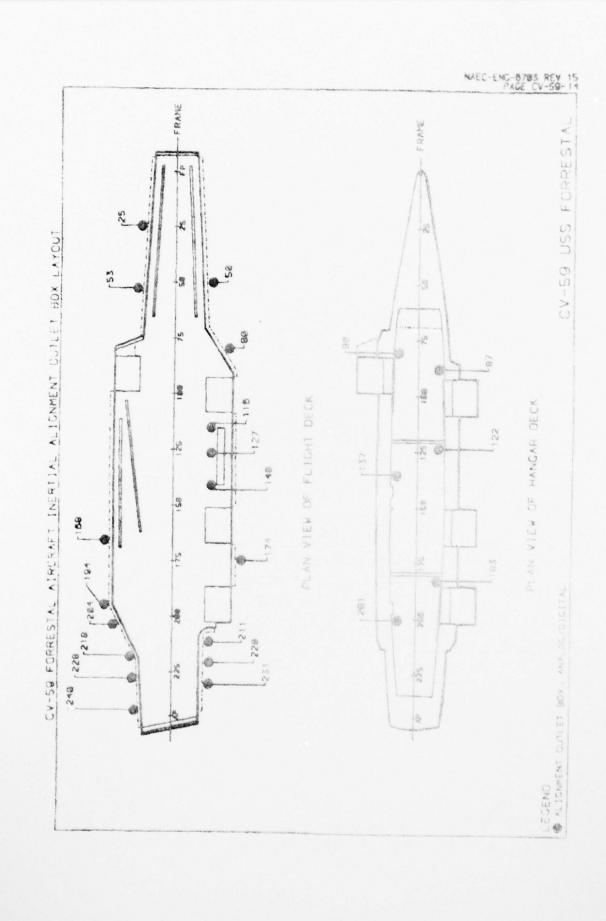


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	HG.	0			
	FLT DK	17			
SYSTEM					
AIRCRAFT INFRITAL ALLONARIT SYSTEM					
V V V V V V V V V V V V V V V V V V V					
Tuesday and a second a second and a second a		ALOCZOIGITAL			
~		OUTLET BOXES (ANALOCZDIGITAL)			
		ALTONNENT OUTLE			
		1 AL 1G			

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	CATECORY	PAGE NO
-	Aircraft Electrical Sarvice Outlet Summery (400 Hz) Aircraft Electrical Sarvice Outlet Layout (400 Hz)	- N
N	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 448 VAC)	ю
	Aircraft Electrical and Support Equipment Service Outlet Layour (28 5 VDC, 410 VAC)	4
M	Aviation Fuel Service Summery Aviation Fuel Service Outlet Layout	ഗയ
4.	Compressed Air Service Summary Compressed Air Service Outlet Layout	∠8
ហ	Combat Readiness Station Service Summery Combat Readiness Station Layout	< < > > Z Z
0	Oxygen and Nifragen Service Summary Oxygen and Nifragen Service Duilet Layout	-2
~	Aircraft Inerital Alignment Outlet Box Summary Aircraft Inerital Alignment Outlet Box Layout	W. 4
ω	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout	< < \ \ Z Z

LATEST CHECK - MARCH 1974

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		JCR DK	7	SAGN	13		NONE	NONE	NONE	13	NONE		
		FL1 04	٥	NOME			NONE	NONE	NONE	26	NONE		
AZC START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY	440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START	448 VAC SUPPORT EQUIPMENT SERVICE	1. 446 VAC 68HZ, 3PH, 25 AMP	2 418 VAC, BBHz, SPH, 69 AMP	3 448 VAC, BBHE, 3PH, 188 AMP	28 S VOC A/C SERVICE AND START	1 28 5 YDC, 288 AMP Continuous	2 28 5 VDC, 388 AMP Cont , 588 to 988 A Inter	3 28 5 VDC, 686 AMP Cont , 582 to 988 A Inter	4 28 5 YDC, 300 AMP cont , 650 to 1000 A Inter	5. 28 5 VDC, 858 AMP Cont., 858 to 1888 A Inter		

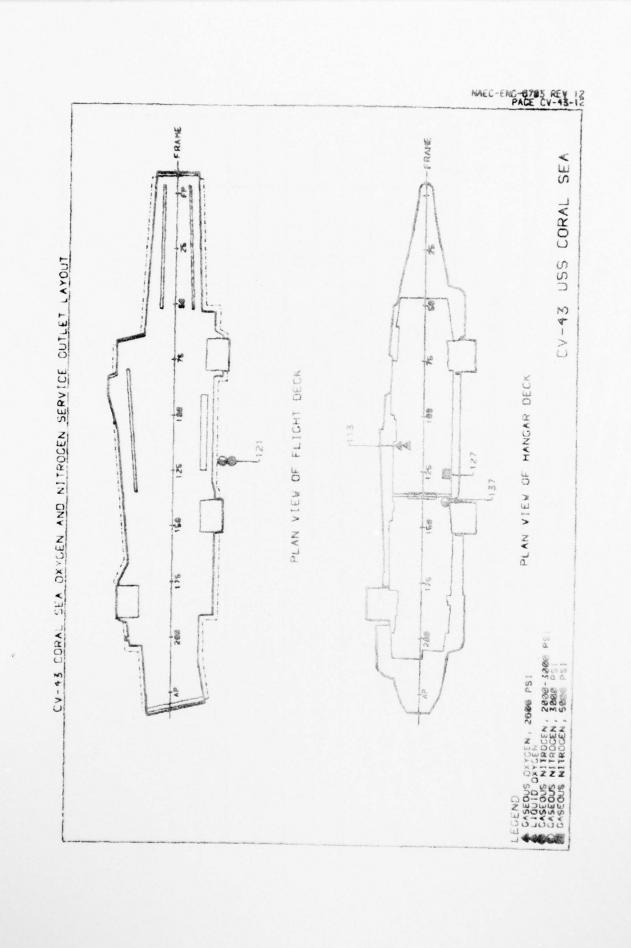
AVIATION FUEL SERVICE			HAEC-ENC-62 PAOE CV-43
AVIATION CASOLINE AND JP-5			
		AVICAS	39-5
		36,986	1,112,478
	4.1	FLT DK 2 HGR DK 8	FLT DK 13 HCR DK 13
		2	2
-	NOTE 1	100/46	200/48
		186/48	260/48
		196/48	268/18
		168/48	200/18
OUTLET GPM		1.08	1.88
РОМР СРИ		\$	52
S 1-1/2" HOSE AV/GAS, 2-1/2" HOSE JP-5			

COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		783 REV 12 -7
LOW PRESSURE	FLT DK	HCR DK
1 SERVICE OUTLETS @ 150 PS1	s	22
REDUCED PRESSURE	NONE	HONE
1 SERVICE OUTLETS @		
MEDIUM PRESSURE		
1 SERVICE OUTLETS . 1800 PSJ	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE GUTLETS \$ 1860 to 3868 PS! (VARIABLE)	NONE	2
HIGH PRESSURE		
1 SERVICE OUTLETS 8 3868 PSI	15	2
TIRE CHANGING AIR	Š	NOW
SERVICE OUTLETS 6		

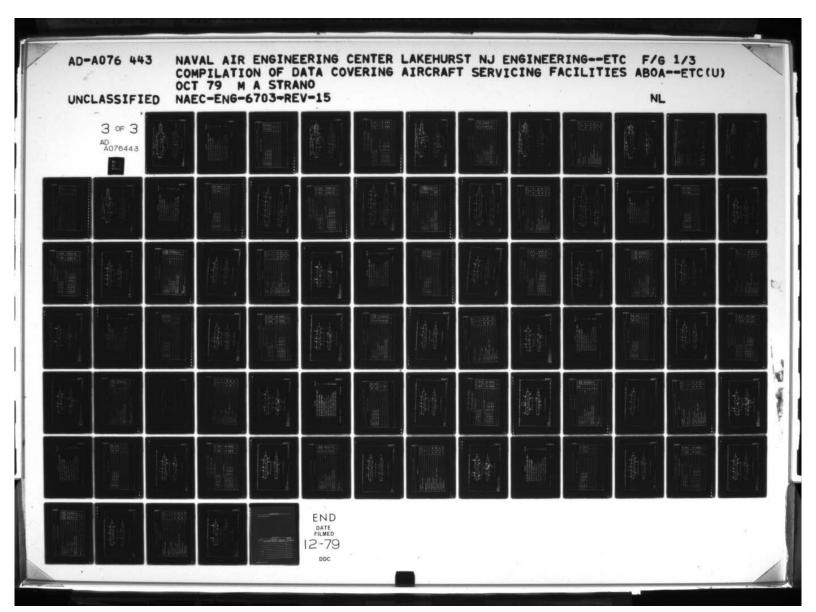
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OXYCEN		
STORAGE CAPACITY, LIQUID GALS	1200	soon department of the control of th
2 CEMERATING CAPACITY CPH	5 83	
SERVICE OUTLETS, LIQUID	FLT OK NONE	HCR DK 1
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	MCR OK 1 ^d
NITROCEN (OIL FREE)		
STORACE CAPACITY at 5888 PSI	68 CU FT	
SERVICE OUTLETS	FLT DK II	MGR DK 1
NITROCEN		
STORACE CAPACITY OF \$660 PS!	15 CU FT	And the control of th
SERVICE GUTLETS	FLT DK NONE	HOR DIV
NOTES PRESSURES (PSI)		
1868 c 2860 a 2866 3666 g	3584 , 5888	
1086 - 2950 1 2000	THE RESIDENCE OF THE PROPERTY	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE



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CATEGORY	Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	2 Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 442 VAC)	3 Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	4 Compressed Air Service Summary Compressed Air Service Outlet Layout	S Combat Readiness Station Service Summary Combat Readiness Station Layout	6 Dxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout	7 Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	8 Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout

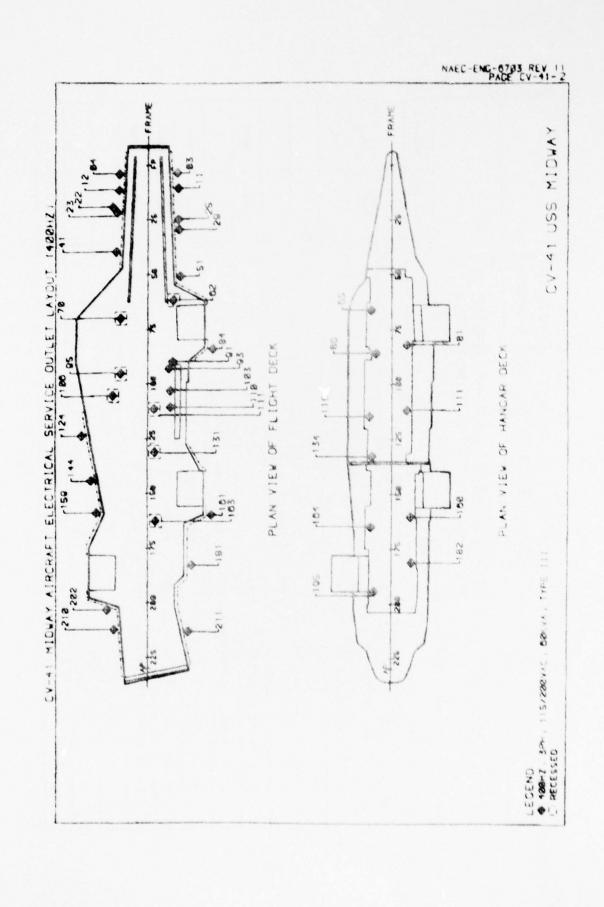
LATEST CHECK - AUGUST 1973

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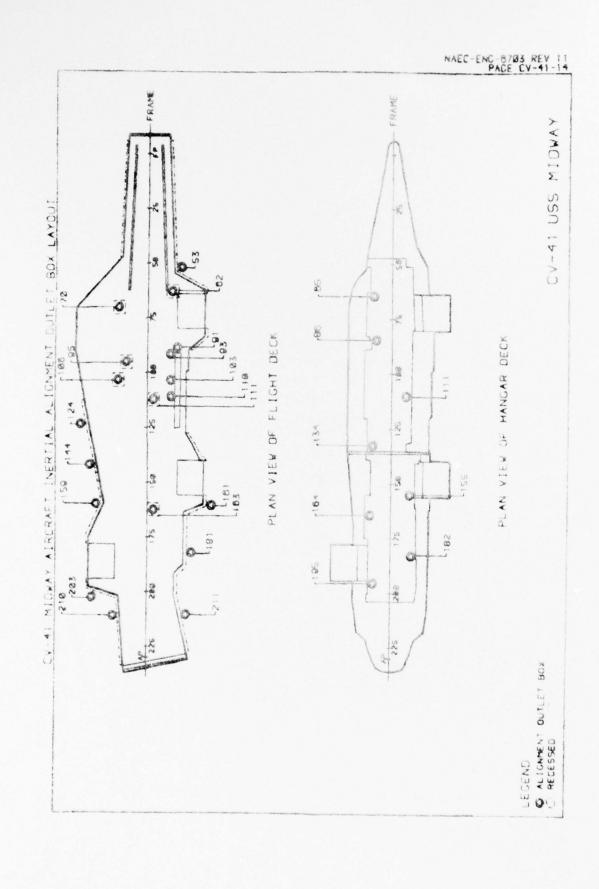


442 VAC SUPPORT EQUIPMENT SERVICE	SERVICE OUTLET SUMMARY	
28 S VOC AZC SERVICE AND START		
448 VAC SUPPORT EQUIPMENT SERVICE	FL1 98	3
448 VAC BONZ , 3PH , 25 AMP	26	=
418 VAC, BAHZ, 3PH, 68 AMP	20	NONE
VAC, 68Hz, 3PH, 186 AND	00	•
28 S VIC AZC SERVICE AND START		
VDC, 200 AMP Continuous	NO.	NO.
VDC, 366 AMP Coni, 686 to 968 A Inter	•	-
YDC, 888 AMP Cont , 588 to 988 A Inter	3	ğ
VDC, 386 AMP cont , 550 to 1868 A Inter	A P	MOM
VDC., 658 AMP Cont., 658 to 1808 A Inter	30¢	NONE

AVIATION GASOLINE AND JP-5 AVIATION GASOLINE AND JP-5 AVIATION GASOLINE AND JP-5 AVIATION GASOLINE AND JP-5 AVIATION OF STATES OF THE STAT	AVIATION GASOLINE AND JP-5 AVGAS JP-5 PACITY, CPHZPS1 OPERATING OPERATING	AVIATION FUEL SERVICE			
AVCGAS JP-S PACITY, CPH/PS I OPERATING NOWE 2889/46 Y PER SERVICE DUTLET GPH Y PER PORTABLE PUMP GPH NOWE 588	AV.CAS JP-5 PACITY , CPH/PS) PERATING OPERATING OPERATING Y PER SERVICE OUTLET CPH Y PER PORTABLE PUMP CPH NOVE SER	AVIATION GASOLINE AND JP-			
PACITY , CPH/PS ! POPERATING OPERATING OPERATING TO PER SERVICE OUTLET GPH TO PER PORTABLE PUMP GPH NONE : 588 / 48	PACITY, CPH/PS1 PACITY, CPH/PS1 PACITY, CPH/PS1 PACITY, CPH/PS1 PACITY, CPH/PS1 POPERATING POPERATI			AVZCAS	S-df
PACITY , CPH/PS I MOKE	PACITY, CPH/PSI PACITY, CPH/PSI OPERATING			NOME	1,179,828
PACTITY, CPH/PSI OPERATING OPERATING OPERATING Y PER SERVICE OUTLET GPH Y PER PORTABLE PUMP GPH NOVE S08/48 NOVE S08/48 NOVE S08/48	PACTITY, CPHZPS1 OPERATING OPERATING OPERATING OPERATING OPERATING OPERATING The properties outlet cph The properties	SERVICE OUTLETS		NONE	88
OPERATING OPERATING OPERATING OPERATING TY PER SERVICE OUTLET GPH TY PER PORTABLE PUMP GPH NOVE	PACTITY, CPHAPS! OPERATING OPERATING OPERATING OPERATING TY PER SERVICE OUTLET CPH TY PER PORTABLE PUMP CPH NOVE	3 HOSES PER OUTLET	management of the contract con	NOME	~
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OPERATING OPERATING OPERATING Y PER SERVICE OUTLET GPH Y PER PORTABLE PUMP GPH NOVE	OPERATING OPERATING V PER SERVICE OUTLET CPH V PER PORTABLE PUMP CPH NOVE	O TWO CUTLETS OPERATING		NOVE	266/48
Y PER SERVICE OUTLET CPH Y PER PORTABLE PUMP CPH NOVE	Y PER SERVICE OUTLET CPH Y PER PORTABLE PUMP CPH NOVE			ğ	206/18
Y PER SERVICE OUTLET CPH Y PER PORTABLE PUMP CPH NONE	Y PER SERVICE OUTLET CPH Y PER PORTABLE PUMP CPH NONE	c SIX OUTLETS OPERATING		NOVE	200/48
Y PER PORTABLE PUMP CPH	Y PER PORTABLE PUMP CPH	PER SERVICE		MONE	881
	-5 2-1/2" HOSE	PORTABLE PUMP		NOVE	93
	MOTES 1 JP-5 2-1/2" HOSE				
	5 2-1/2" HOSE				

DXYGEN		
I STORAGE CAPACITY, LIGHID GALS	2186	
2 GENERATING CAPACITY CPH	18 6	
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 3
4 SERVICE OUTLETS, GASEOUS	FLT 0K 1 ^d	HGR DK 3 ^d
NITROGEN (OIL FREE)		
1 STORACE CAPACITY & 1 5888 PS.	75 cu (1	
2 SERVICE OUTLETS	FLT DK NONE	HGR DK 39
NITROGEN		
I STORACE CAPACITY OF 3000 PS!	32 cu ft	
2 SERVICE OUTLETS	FLT DK NONE	MCR DK 16,1
NOTES PRESSURES (PSI)		
a 1948 c 24680 e 2668 - 3668 c	3500 , 5000	
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OUTLET BOX SUMMARY AIRCRAFT INERTIAL ALIGNMENT SYSTEM			
OU		ALIGNIEMT OUTLET BOXES	



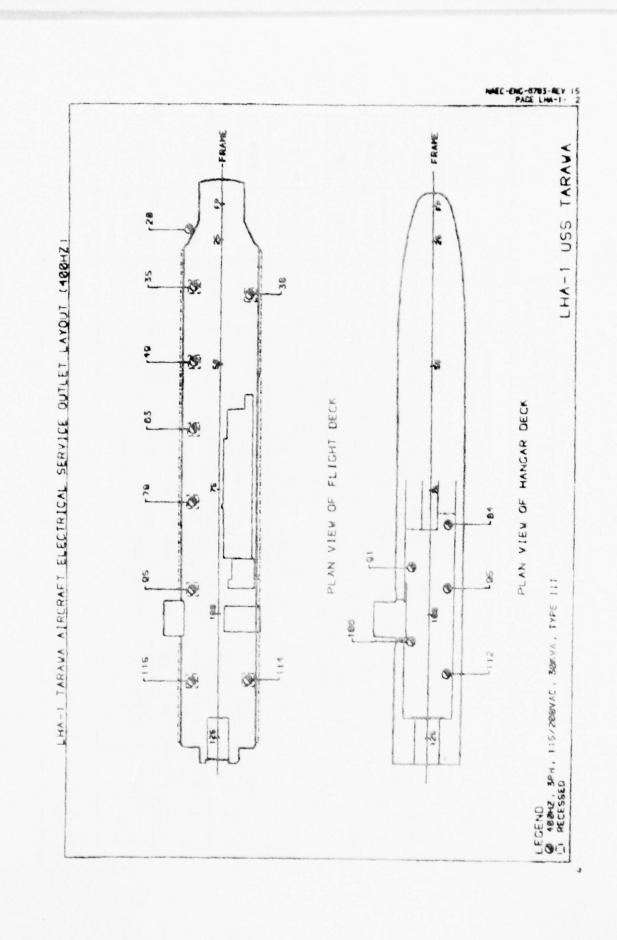
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CATEGORY	Aircraft Electrical Service Duilet Summary (480 Hz) Aircraft Electrical Service Duilet Layout (400 Hz)	Aircraft Electrical and Support Equipment Service Dutlet Summary (28.5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Duiler Layout (28 5 VDC, 448 VAC)	AVIGTION FUEL SERVICE SUMMERY AVIGTION FUEL SERVICE DUTLE! LAYOUT	Compressed Air Service Summary Compressed Air Service Outlet Layour	Combo! Readiness Station Service Summary Combo! Readiness Station Layout	Dxygen and Nifrogen Service Summery Oxygen and Nifrogen Service Outle: Layour	Aircraft Inerital Alignment Outlet Box Summery Aircraft Inerital Alignment Outlet Box Layout	Aircraft Cooling and Starting Air Duilet Summary Aircraft Cooling and Starting Air Guilet Loyout
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3 3	3	NO.	9	NON	MONE
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SERVICE OUTLETS	SERVICE CUTLETS	1. 468HZ 3PH 115/208 VAC ,36KVA ,Type !	2 488H2,3PH,115/288 VAC,38KVA,Type 111	3 409Mz ,3PH ,115/200 VAC BONYA ,Turn 1	4 48842,3PH,115/288 VAC.DEKVA,TVP8 111

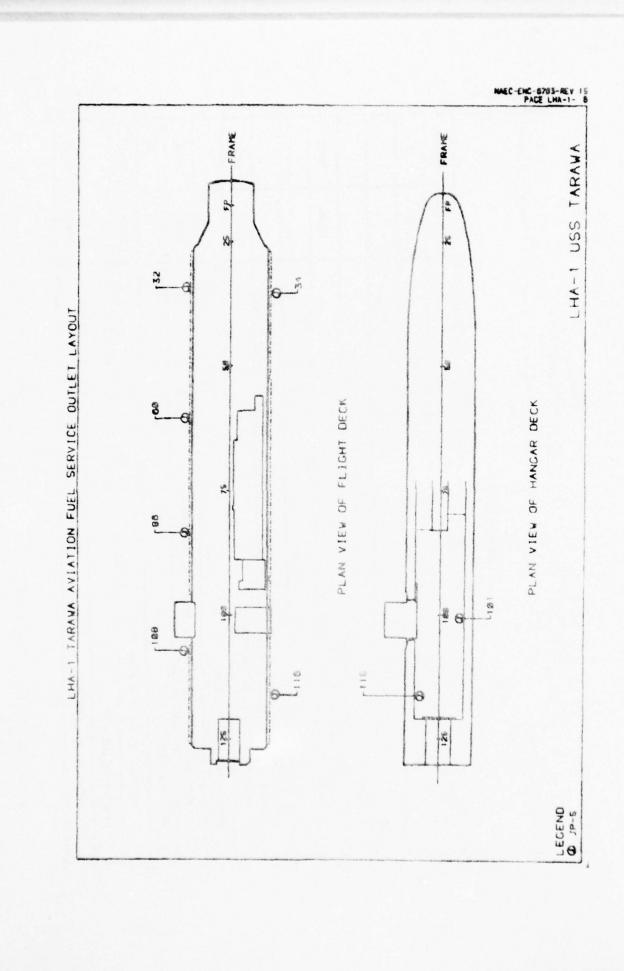


AZC START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY		
44@ VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START		
448 VAC SUPPORT EQUIPMENT SERVICE	F.1. 8	5
448 VAC 600 12 , 3PH , 25 AMP	~	
448 VAC, 68HZ, 3PH, 66 AMP	39iQN	ğ
448 VAC, 5844, 384, 188 AMP	NDME	NO
28 S VOC A/C SERVICE AND START		
28 5 VDC, 286 AMP Continuous	NONE	NONE
VDC, 396 AMP Cont., 500 to 969 A Inter	NONE	ğ
VDC, 688 AMP Cont , 688 to 988 A Inter	NO.	ğ
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VDC., 658 AMP Cont. , 858 to 1888 A Inter	NO.	ğ
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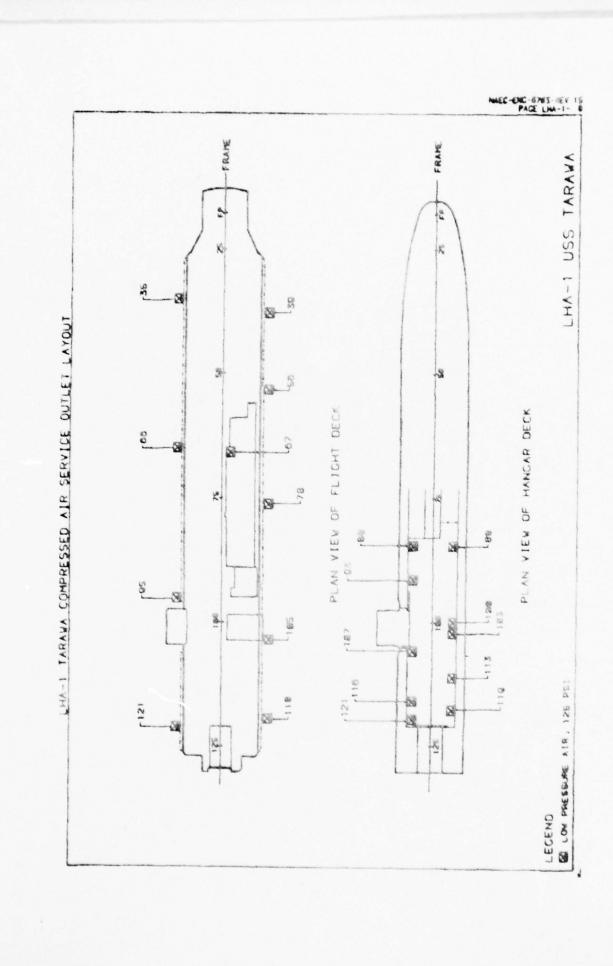
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CAPACITY CAL. 95% AVIATION CASOLINE AND JP-S CAPACITY CAL. 95% AV/CAS JP-S CAPACITY CAL. 95% NOIF 417.8890 2 SERVICE OUTLETS NOIF 417.8890 3 HOSES PER GUTLET CAPACITY, CPA/PS1 NOIF 417.8890 4 SERVICE OUTLETS OPERATING NOIF 2286/45 5 OFFUELING CAPACITY PER SERVICE OUTLET CPH NOIF 12 5 OFFUELING CAPACITY PER PORTABLE PAPP CPH NOIF 25	AVIATION FUEL SERVICE		
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DEFUELTING CAPACITY PER SERVICE OUTLET CPH DEFUELTING CAPACITY PER PORTABLE PUMP CPH DEFUELTING CAPACITY PER PORTABLE PUMP CPH	1		286/45
C SIX OUTLETS OPERATING DEFUELING CAPACITY PER SERVICE OUTLET CPH DEFUELING CAPACITY PER PORTABLE PUMP CPH NOME	FOUR OUTLETS		200/45
DEFUELTING CAPACITY PER SERVICE OUTLET COM DEFUELTING CAPACITY PER PORTABLE PUMP CPM NOME	SIX OUTLETS		Ž
DEFUELING CAPACITY PER PORTABLE PUMP GPH	DEFUELING CAPACITY PER SERVICE OUTLET	NOVE	1.2
	DEFUELING CAPACITY PER PORTABLE PUMP	HONE	×



COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOW PRESSURE	FLT DK	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
I SERVICE OUTLETS & 125 PS!	•	•
REDUCED PRESSURE		
1 SERVICE OUTLETS @	HONE	HONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS # 1800 PS1	NONE	NONE
HEDIUM TO HICH PRESSURE		
I SERVICE OUTLETS @ 1888 10 3808 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS & 3000 PSI	MONE	NOME
TIRE CHANCING AIR		
1 SERVICE OUTLETS .	NONE	NQ-E



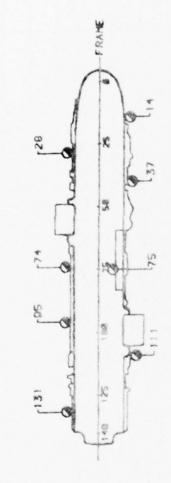
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CATECORY	Aircreft Electrical Service Outlet Summary (400 Hz Aircreft Electrical Service Outlet Layout (400 Hz)	Aircraft Electrical and Support Equipment Service Outlet Sussary (28 5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Dutlet Layout (28.5 VDC, 446 VAC)	Aviation Fuel Service Summery Aviation Fuel Service Outlet Layout	Compressed Air Service Summery Compressed Air Service Outlet Layout	Combat Readiness Station Service Summary Combat Readiness Station Layout	Oxygen and Nitrogen Service Summery Oxygen and Nitrogen Service Guilst Layout	Aircraft Inertial Alignment Dutlet Box Summory Aircraft Inertial Alignment Dutlet Box Layout	Aircreft Cooling and Starting Air Outlet Summary Aircreft Cooling and Starting Air Outlet Layout
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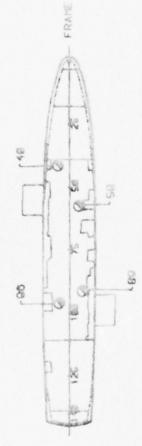
USS INCHON

PACE LPM-12-1

LPH-12 INCHON AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK

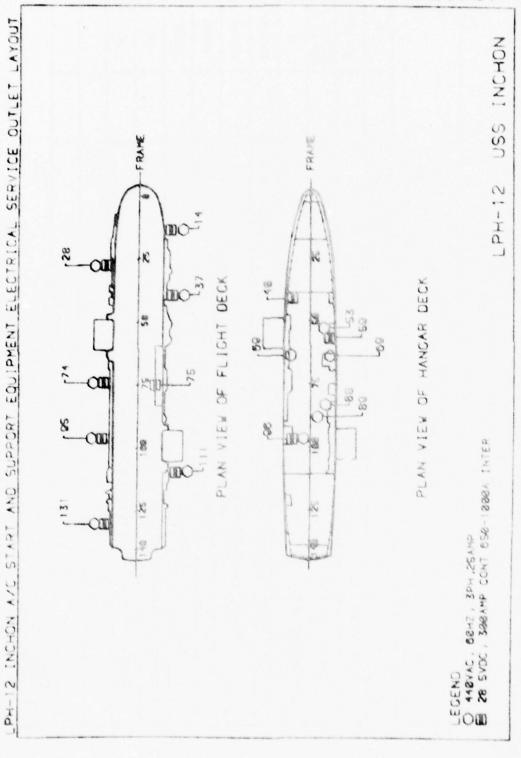


PLAN VIEW OF HANGAR DECK

LEGEND . 3PH, 115/200VAC, 30KVA, TYPE 111

LPH-12 USS INCHON

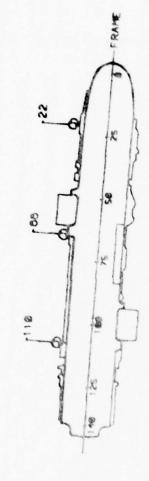
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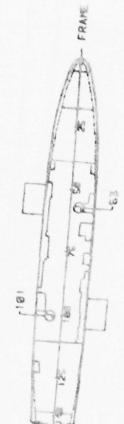
1 CASOL INE AND JP-5 JP-6 JP-7 JP-6 JP-6 JP-7 JP-8 JP-7 JP	AVIATION FUEL SERVICE
JP-5 JP-5 JP-5 JP-5 JP-5 JP-5 JP-5 JP-5	AVIATION GASOLINE AND JP-5
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LPH-12 USS INCHON

LPH-12 INCHON AVIATION FUEL SERVICE OUTLET LAYOUT



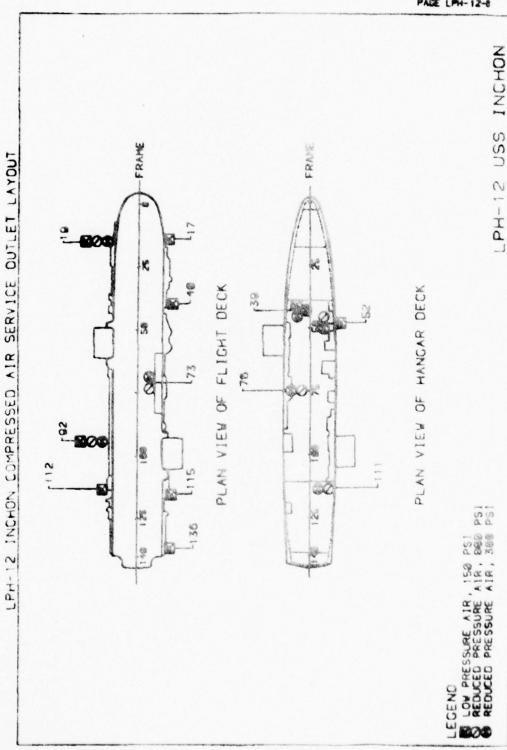
PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF MANGAR DECK

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LOY PRESSURE LOY PRESSURE I SERVICE OUTLETS © 150 PST PREDUCED PRESSURE I SERVICE OUTLETS © 1600 PST PREDIUM PRESSURE I SERVICE OUTLETS © 1600 PST PREDIUM PRESSURE I SERVICE OUTLETS © 1600 PST PREDIUM TO HICH PRESSURE I SERVICE OUTLETS © 1800 PST PREDIUM TO HICH PRESSURE I SERVICE OUTLETS © 1800 PST PREDIUM TO HICH PRESSURE I SERVICE OUTLETS © 1800 PST PROPER I SERVICE OUTLETS © 1800 PST PROP	* COMPRESSED AIR SERVICE SUMMARY	ARY	
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SERVICE DUTLETS & 1540 PSI SERVICE DUTLETS & 3460 PSI SERVICE DUTLETS & 1860 PSI SERVICE OUTLETS & 1860 PSI SE	LOW PRESSURE	FLT 9	3
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SERVICE OUTLETS © 366 PSI SERVICE OUTLETS © 1868			
SERVICE OUTLETS & 366 PSI SERVICE OUTLETS & 666 PSI SUM PRESSURE SERVICE OUTLETS & 1860 PSI SERVICE OUTLETS & 1860 PSI SERVICE OUTLETS & 1860 PSI SERVICE OUTLETS & 3998 PSI SERVICE OUTLETS &	REDUCED PRESSURE		
SERVICE BUTLETS & BORE PST SERVICE OUTLETS & 1800 PST SERVICE OUTLETS & 1800 TO 3800 PST (VARIABLE) SHARESSURE SHANCE OUTLETS & 3800 PST SERVICE OUTLETS & 3800 PST	SERVICE OUTLETS 8 388	3	s
880 TO \$8886 PS I (VARIABLE) MOKE MOKE MOKE MOKE MOKE	SERVICE BUTLETS & BON	3	8
880 TO \$8886 PS I (VARIABLE) MOKE MOKE MOKE MOKE MOKE	MEDIUM PRESSURE		
80 TO 3000 PST (VARIABLE) NOME HIGHE	SERVICE OUTLETS # 1800	NONE	NONE
TLETS & 1880 to 3800 PSI (VARIABLE) TLETS & 3800 PSI ACRE ATR	MEDIUM TO HIGH PRESSURE		
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LETS & SERR PSI	HIGH PRESSURE		
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I SERVICE OUTLETS #	BERVICE		



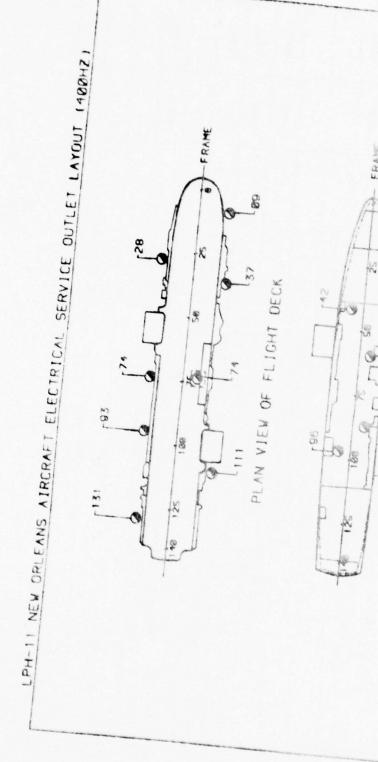
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-	Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	-0
~	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 448 VAC)	ю
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	•
N)	Aviation Fuel Service Summery Aviation Fuel Service Outlet Layour	SO
4	Compressed Air Service Summary Compressed Air Service Outlet Layour	V 8
LD.	Combat Readiness Station Service Summary Combat Readiness Station Layout	ZZ
0	Oxygen and Nitragen Service Summary Oxygen and Nitragen Service Outlas Layout	ZZ
1	Aircraft Inerital Alignment Outlet Box Summery Aircraft Inerital Alignment Outlet Box Loyout	ZZ
æ	Aircreft Cooling and Starting Air Outlet Summory Aircreft Cooling and Starting Air Outlet Layout	X X X

LATEST CHECK , FEB 1969

USS NEW ORLEANS

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AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY



PLAN VIEW OF HANGAR DECK

187

LECEND 480HZ, 3PH, 115/200VAC, 30KVA TYPE III

USS NEW ORLEANS LPH-11

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448 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START 448 VAC SUPPORT EQUIPMENT SERVICE 68Hz, 3PH, 25 AMP 28 5 VDC A/C SERVICE AND START 28 5 VDC A/C SERVICE AND START 7 6 68Hz, 3PH, 1888 A Inter 9 388 AMP Cont. 1, 688 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter 9 388 AMP Cont. 1, 658 to 1888 A Inter	448 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START 448 VAC SUPPORT EQUIPMENT SERVICE 6842, 3PH, 188 AMP 28 5 VDC A/C SERVICE AND START 28 5 VDC A/C SERVICE AND START 28 5 VDC A/C SERVICE AND START 588 AMP Cont 1, 688 to 1888 A Inter 588 AMP Cont 1, 658 to 1888 A Inter 658 AMP Cont 1, 658 to 1888 A Inter 658 AMP Cont 1, 658 to 1888 A Inter 7 NOME 958 AMP Cont 1, 658 to 1888 A Inter 1000 AMP Cont 1, 658 to 1888 A Inter 1000 AMP Cont 1, 658 to 1888 A Inter	ELECTRICAL SERVICE OUTLET SUMMARY		
### 3PH , 25 AMP ### 58 AMP #### 58 AMP ###################################	108 AMP Cont., 600 to 900 A Inter 109 AMP Cont., 600 to 900 A Inter 100 AMP Cont., 600 to 1000 A Inter 100 AMP Cont., 600 to 1000 A Inter 100 AMP Cont., 650 to 1000 A Inter	440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC AZC SERVICE AND START		
68Hz, 3PH, 25 AMP 68Hz, 3PH, 68 AMP 68Hz, 3PH, 68 AMP 28 5 VDC A/C SERVICE AND START 28 5 VDC A/C SERVICE AND START 3 586 AMP Cont i, 688 to 988 A Inter 5, 586 AMP Cont i, 688 to 1888 A Inter 6, 586 AMP Cont i, 658 to 1888 A Inter 7	68Hz, 3PH, 25 AMP 68Hz, 3PH, 1888 AMP 7 NONE 7 S88 AMP Cont to 988 A Inter 7 S88 AMP Cont to 988 A Inter 7 S88 AMP Cont to 558 to 1888 A Inter 8 NONE 7 S88 AMP Cont to 558 to 1888 A Inter 8 NONE 7 S88 AMP Cont to 558 to 1888 A Inter 8 NONE 7 S88 AMP Cont to 558 to 1888 A Inter	440 VAC SUPPORT EQUIPMENT SERVICE	FLT DA	80 80H
68Hz, 3PH, 68 AMP MONE 58Hz, 3PH, 188 AMP MONE 28 5 VDC A/C SERVICE AND START NONE , 286 AMP Cont i, 688 to 988 A Inter NONE , 588 AMP Cont i, 688 to 1888 A Inter NONE , 588 AMP Cont i, 658 to 1888 A Inter NONE , 588 AMP Cont i, 658 to 1888 A Inter NONE	68Hz ; 3PH ; 68 AMP 58 5 VDC A/C SERVICE AND START 28 5 VDC A/C SERVICE AND START 7 28 5 VDC A/C SERVICE AND START 688 AMP Cont ; 680 to 988 A Inter 688 AMP Cont ; 650 to 1888 A Inter 7 388 AMP Cont ; 650 to 1888 A Inter 7 388 AMP Cont ; 650 to 1888 A Inter 8 NONE	448 VAC BIRHZ, 3PH, 25 AMP	,	
58Hz , 3PH , 1888 AMP AMP 28 5 VDC A/C SERVICE AND START NOME , 288 AMP Cont in 988 A Inter NOME , 388 AMP Cont , 688 to 1888 A Inter NOME , 388 AMP Cont , 658 to 1888 A Inter 8 , 388 AMP Cont , 658 to 1888 A Inter NOME	58Hz, 3PH, 1888 AMP 28 5 VDC A/C SERVICE AND START , 288 AMP Continuous , 588 AMP Cont, 688 to 988 A Inter , 588 AMP Cont, 688 to 1888 A Inter , 588 AMP Cont, 658 to 1888 A Inter , 588 AMP Cont, 658 to 1888 A Inter	VAC, BOHZ, 3PH, 68 AMP	HOME	NOVE
A/C SERVICE AND START 10 988 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter	A/C SERVICE AND START 10 988 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter	VAC, 68Hz, 30H, 188 AMP	P P	NON
10 988 A Inter 10 988 A Inter 10 1888 A Inter 10 1888 A Inter 10 1888 A Inter	10 988 A Inter 10 1888 A Inter 10 1888 A Inter 10 1889 A Inter	20 5 VDC A/C SERVICE AND START		
NONE B NONE	NOME B	VDC, 286 AFF Continuous	NOME	MORE
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B NOW.	B NOW	DC, 688 AMP Cont, 588 to 988 A Inter	NONE	MONE
658 AMP Cont., 658 to 1888 A Inter	658 AMP Cont.) 658 to 1888 A Inter	VDC, 300 AMP cont, 650 to 1000 A Inter	8	•
		VDC, 658 AMP Cont , 650 to 1000 A Inter	NON	NONE

Section 8

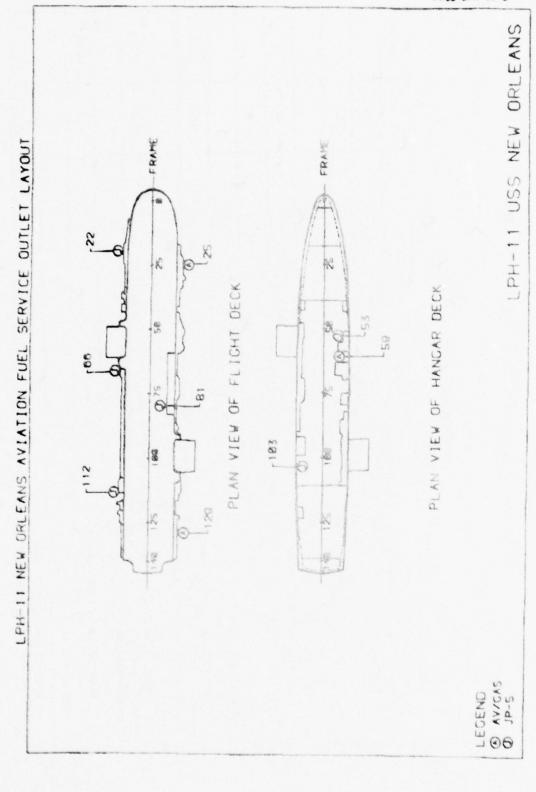
LPH-11 NEW ORLEANS AZC START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT ORLEANS USS NEW FRAME 66 - PH-11 PLAN VIEW OF FLIGHT DECK PLAN VIEW OF HANGAR DECK TO 8 683 8 an QUE 18 20 LEGEND O 440YAC, 08HZ, 3PH, 25AMP E 28 5YDC, 300AMP CONT 650-1888A INTER

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SERVICE DUTLETS & 3000 PS!

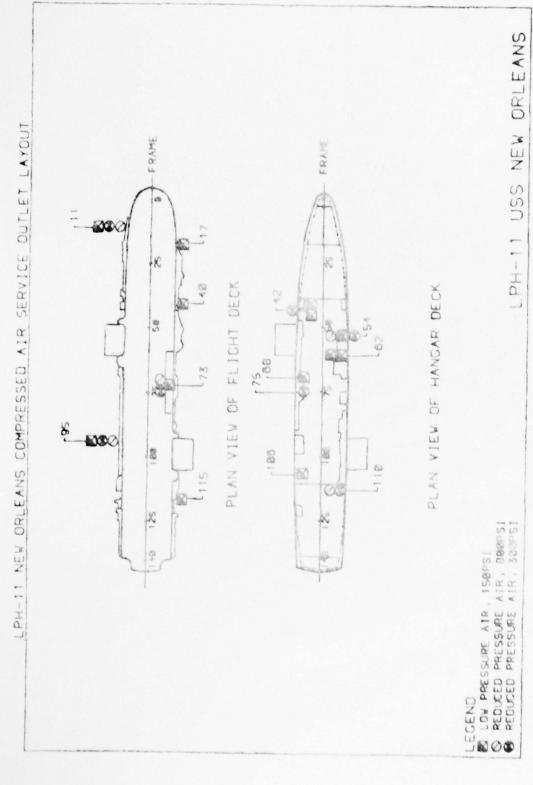
SERVICE OUTLETS & 386PS!

TIRE CHANCING AIR

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PAGE LPN-11-7



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CATECORY	Aircraft Electrical Service Outlet Summary (400 Hz)	2. Aircraft Electrical and Support Equipment Service Outlet Summery (28 5 VDC, 448 VAC)	Service Guiler Layout (28 5 VDC), 448 VAC)	3 Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	Compressed Air Service Summary Compressed Air Service Guilet Layout	S Combail Readiness Station Service Summary Combail Readiness Station Layout		Aircraft inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	Aircraft Evoling and Starting Air Dullet Layout

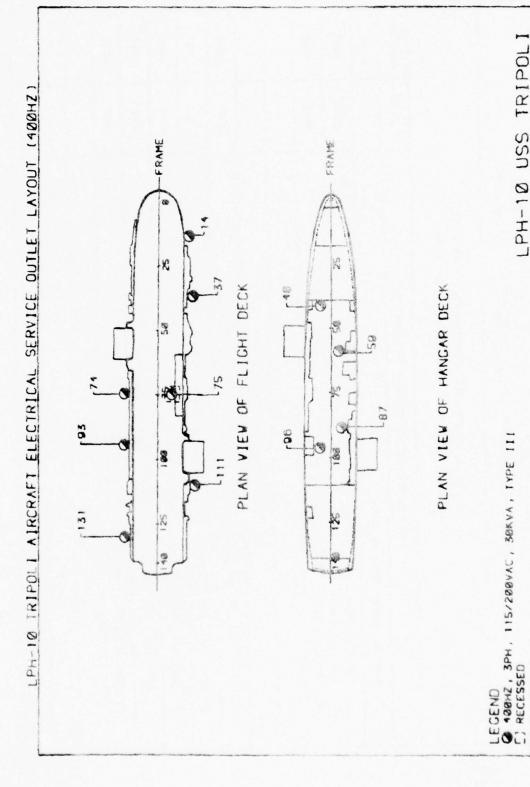
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C,38KVA,Type 111 C,58KVA,Type 111 C,58KVA,Type 11 C,58KVA,Type 11 C,58KVA,Type 111	70	488HZ . 3PH , 1157208 VAC , 38KVA , Type 1	FLT 08	8	3
706 1006	700E	THE RESERVE THE PARTY OF THE PA	310H	•	NO.
304	300	40004z,3PH.115/200 VAC,38KVA,Type 111	1		•
NOK.	NONE.	488Hz ,3PH , 115/208 VAC ,68KVA ,Type 1	3HOH	¥	NOM
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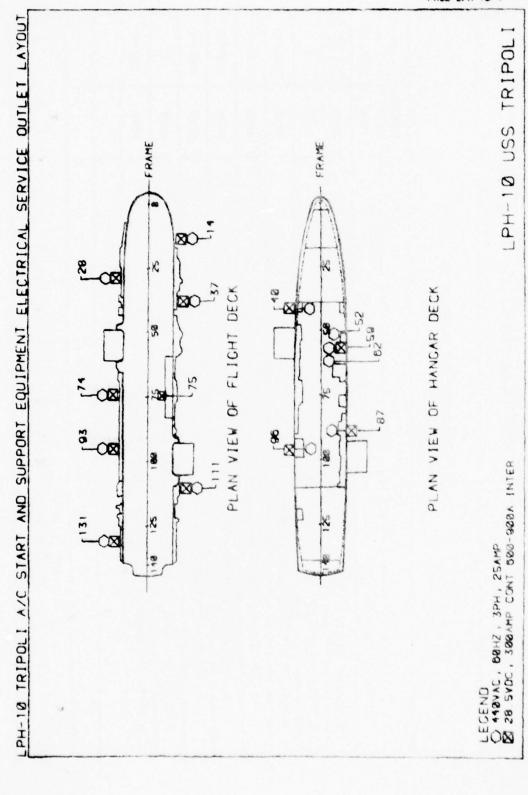
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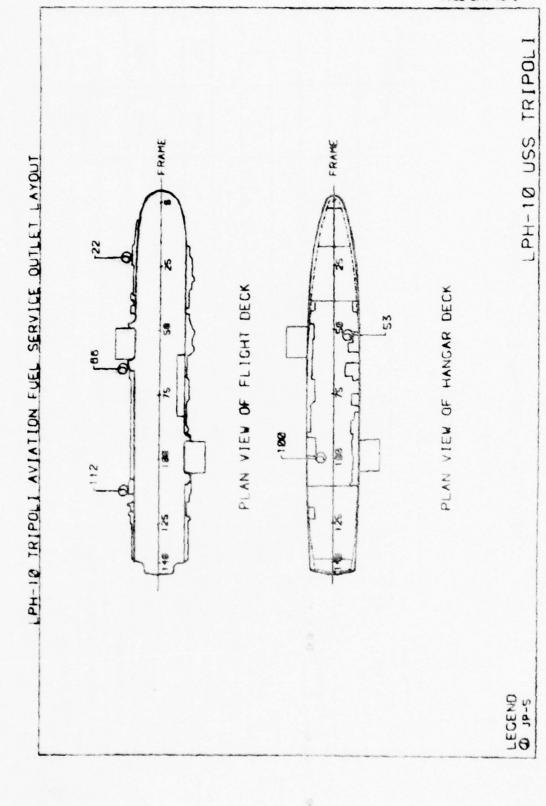
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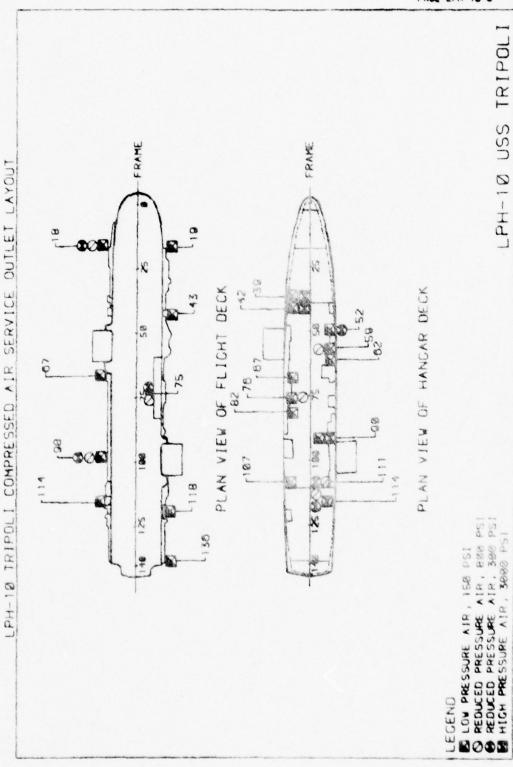
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COMPRESSED AIR SERVICE SUMMARY		
COMPRESSED AIR		
LOW PRESSURE	FLT 98	5
1 SERVICE DUTLETS # 158 PS!		o
REDUCED PRESSURE		
SERVICE OUTLETS & SEE PSI	3	
2 SERVICE DUTLETS # 868 PSI	3	•
HEDIUM PRESSURE		
SERVICE GUTLETS & 1800 PS!	NONE	NONE
MEDIUM TO HIGH PRESSURE		
SERVICE GUTLETS & 1848 TO 3408 PST (VARIABLE)	MOM	NO NO
HICH PRESSURE		
1 SERVICE OUTLETS # 3000 PS.	NONE	-
TIRE CHANGING AIR	NOME	NONE
I SERVICE DUTLETS .		



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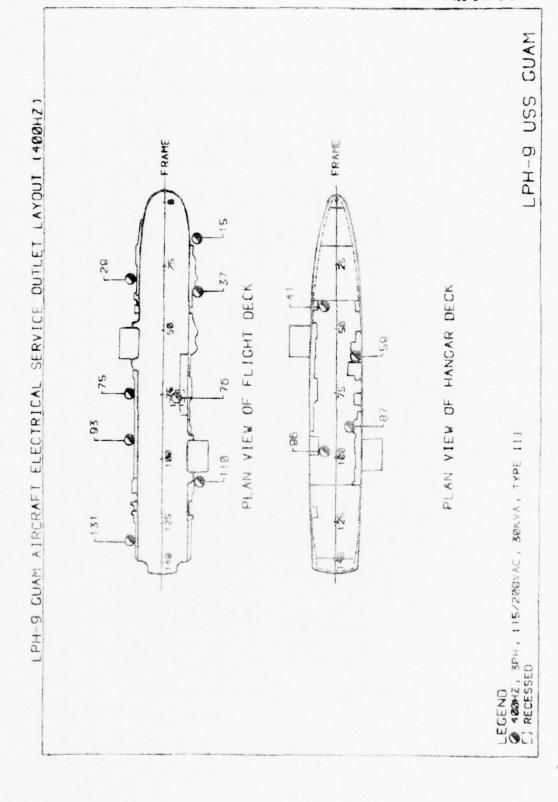
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Aircraft Electrical Service Outlet Summery (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	Compressed Air Service Summary Compressed Air Service Outlet Layour	Combat Readiness Station Service Summary Combat Readiness Station Leycul	Oxygen and Nitragen Service Summary Oxygen and Nitragen Service Outlet Layout	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout
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LATEST CHECK - MARCH 1972

USS GUAM

SERVICE OUTLETS	5	5
488H≥,3PH,115/208 VAC,30KVA,Tvpe I	¥O¥	MON
400Hz,3PH,115/200 VAC,38KYA,Type 111	60	•
488Hz , 3PH ,115/200 VAC ,88K VA ,Type 1	NOME	ğ
400HZ ,3PH ,115/288 VAC ,60KYA ,Type 111	NONE	NOVE

Section 2



MACC-ENG-6763 NEV 15 PAGE LAN-9-3 LPH-9 CUAM AZC START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT CUAM USS FRAME SHARE B-Hd K FLIGHT DECK PLAN VIEW OF HANGAR DECK 80 N LEGEND

448VAC, 62HZ, 2PH, 2SAMP

011LITY VAN SERVICE, 448VAC, 3PH, 68HZ, 125KVA

28 5 VDC, 688 AMP CONT 688-988A INTER

C. RECESSED PLAN VIEW OF 86 188 8 11.00 -128 2 E80

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	AV/CAS	Ž	NO.								
AVIATION GASOLINE AND JP-S		CAPACITY CAL SEX	2 SERVICE GUTLETS	3 MOSES PER OUTLE!	4 SERVICE DUTLET CAPACITY, CPM/PSI	& TWO DUTLETS OPERATING	& FOUR OUTLETS OPERATING	e SIX OUTLETS OPERATING	S DEFUELING CAPACITY PER SERVICE DUTLET OPH	8 DEFUELING CAPACITY PER PORTABLE PUMP CPM	NOTES 1 FLT DK STATIONS HAVE ONE 1 1/2" HOSE AND ONE 2 1/2" HOSE HOR DK STATIONS HAVE THO 1 1/2" HOSE

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LPH-9 USS GUAM

PLAN VIEW OF FLICHT DECK

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VILATION FUFL SERVICE DUTLET LAYOUT

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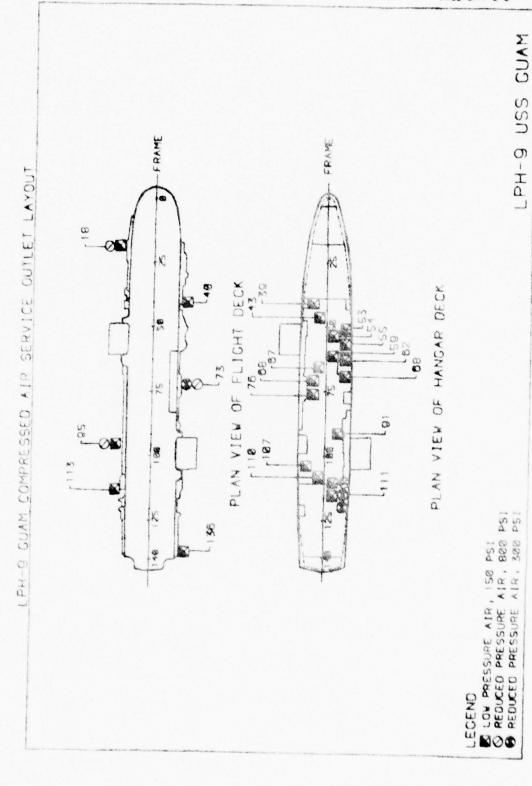
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FLAN VIEW OF HANGAR DECK

O JP-S

COMPRESSED AIR FLT OR. HGR OR. S 10 S 10 RDE NORE HORE NORE HORE HORE	COMPRESSED AIR SERVICE SUMMARY
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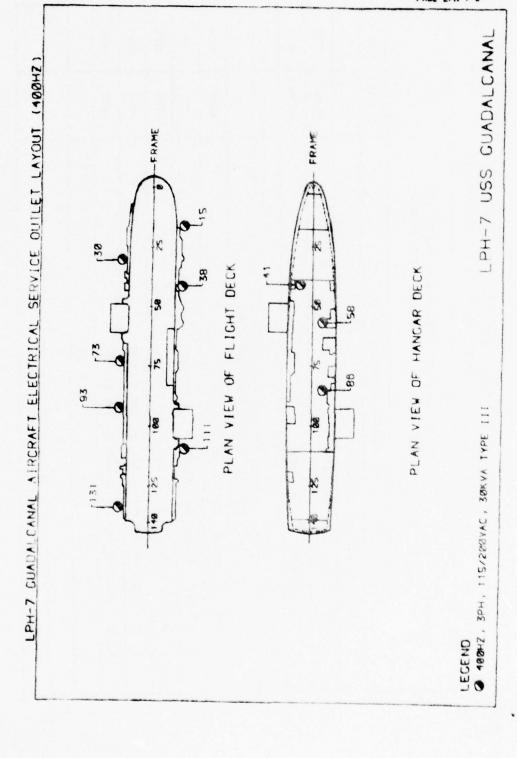
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CATEGORY	1 Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	2. Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	3 Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	4. Compressed Air Service Summany Compressed Air Service Outlet Layout	5 Combat Readiness Station Service Summary Combat Readiness Station Layout	6 Oxygen and Nitragen Service Summery Oxygen and Nitragen Service Outlet Layout	7 Aircraft Inerital Alignment Outlet Box Summary Aircraft Inerital Alignment Outlet Box Layout	8. Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout

LATEST CHECK - AUGUST 1975

USS CUADALCANAL

Second .

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108/45

NOTE 1

4 SERVICE DUTLET CAPACITY, CPM/PS1

2 SERVICE OUTLETS

I CAPACITY CAL

O. TWO DUTLETS OPERATING

FOUR OUTLETS OPERATING

SIX OUTLETS OPERATING

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S DEFUELING CAPACITY PER SERVICE QUILLET CPH

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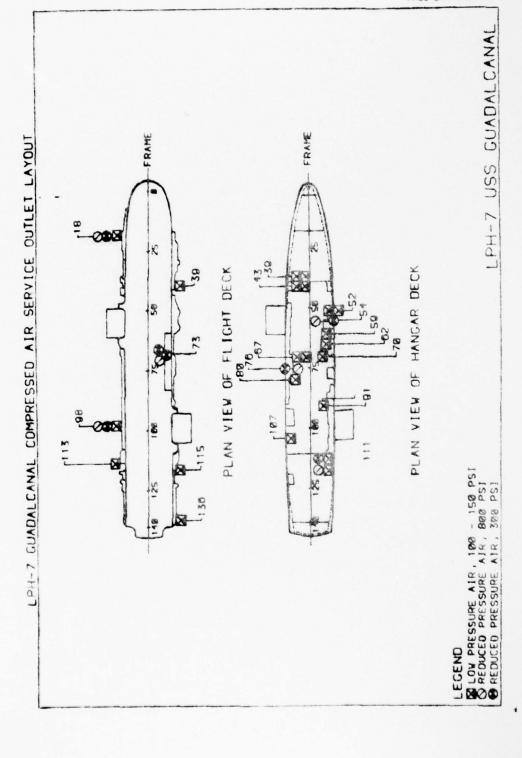
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Parameter A

LPH-7 USS GUADALCANAL 1 PH-7 SUADALCANAL AVIATION FUEL SERVICE DUTLET LAYOUT FRAME 18 PLAN VIEW OF FLIGHT DECK PLAN VIEW OF MANDAR DECK 100 LEGEND O JP-5

COMPRESSED AIR SERVICE SUMMARY	MARY		
COMPRESSED AIR			
LOW PRESSURE	FLT OX	-	8
SERVICE OUTLETS & 188 - 150 PSI	•	-	9
		-	
REDUCED PRESSURE		+	
SERVICE QUILETS & BOO PS!	8	+	
AND COMP		+-	
SERVICE OUTLETS & 1880 PSI	Ď		NOW
MEDIUM TO HIGH PRESSURE		-	-
SERVICE OUTLETS & 1880 to 3000 PS! (VARIABLE)	NOM	+	NOVE
MICH PRESSURE		+	
SERVICE DUTLETS . 3000 PSI	Ď	+	NO.
TIRE CHANGIMO A IR		+	
SERVICE OUTLETS . 300 PS!	•		r)



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CATEGORY	Aircraft Electrical Service Outlet Summary (488 Hz	Aircraft Electrical and Support Equipment Service Outlet Summary 728 5 VDC, 440 VAC)	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 448 VAC)	Aviation Fuel Service Summery Aviation Fuel Service Outlet Layout	Compressed Air Service Summery Compressed Air Service Duilet Layout	Combat Readiness Station Service Summary Combat Readiness Station Layout	Daygen and Nitrogen Service Summory Daygen and Nitrogen Service Dutlet Layout	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	Aircraft Cooling and Starting Air Dutlet Summary

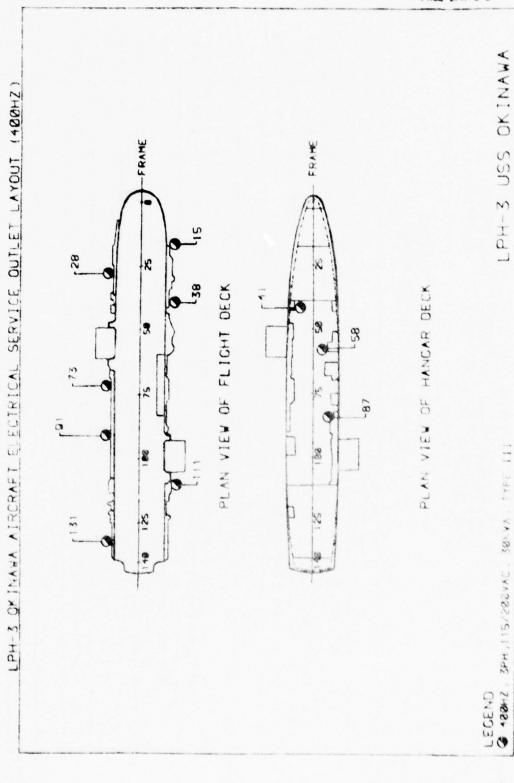
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USS DKINAWA

HCR DK NOM MON NONE FLT DK NO MA NO. HONE SUMMARY OUTLET 400HZ AIRCRAFT SERVICE ELECTRICAL SERVICE ---488HZ ,3PH ,115/288 VAC ,38KVA ,Type 111 488HZ ,3PH ,115/288 VAC ,38KVA ,Type [18842,3PH,115/288 VAC,68KVA,Type 1 488HZ 3PH,115/288 VAC, BAKYA, Type AIRCRAFT SERVICE OUTLETS 149 4

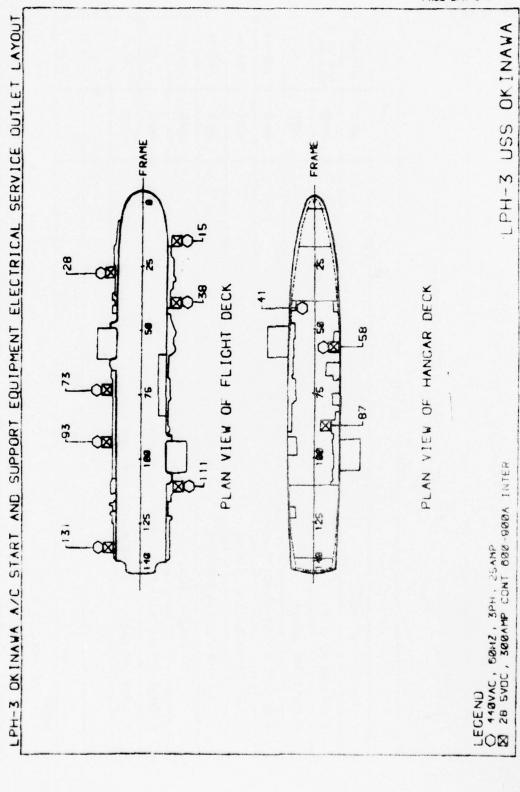
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A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY		
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VOC A/C SERVICE AND START		
448 VAC SUPPORT EQUIPMENT SERVICE	FLT 04	ğ
448 VAC 5842, 3PH, 25 AMP	,	2
448 VAC, 68Hz, 3PH, 68 AMP	NO.	¥ O
443 VAC, BEHZ, 3PH, 1880 AMP	NOVE	ğ
28 S VOC A/C SERVICE AND START		
VDC, 286 AMP Continuous	NOME	MOM
VDC, 300 AMP CON! , 800 10 900 A Inter	,	2
VOC, 688 AMP Cont , 688 to 988 A Inter	NONE	Q
VDC, 388 AMP cont , 858 to 1888 A Inter	MON	ğ
VDC, 85@ AMP Cont , 658 to 1888 A fater	ÄÖK	ğ
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AVIATION GASOLINE AND JP-5		
	AVZCAS	JP-5
CAPACITY CAL 95%	NOME	280,082
SERVICE OUTLETS	NONE	FLT DK 3
HOSES PER GUTLET	NONE	8
SERVICE DUTLET CAPACITY, GPH/PSI	NOW	2006/45
A TAG OUTLETS OPERATING	NONE	200745
b FOUR OUTLETS OPERATING	NONE	200/15
C SIX OUTLETS OPERATING	NONE	N/N

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NON

S DEFUELING CAPACITY PER SERVICE QUILET GPH

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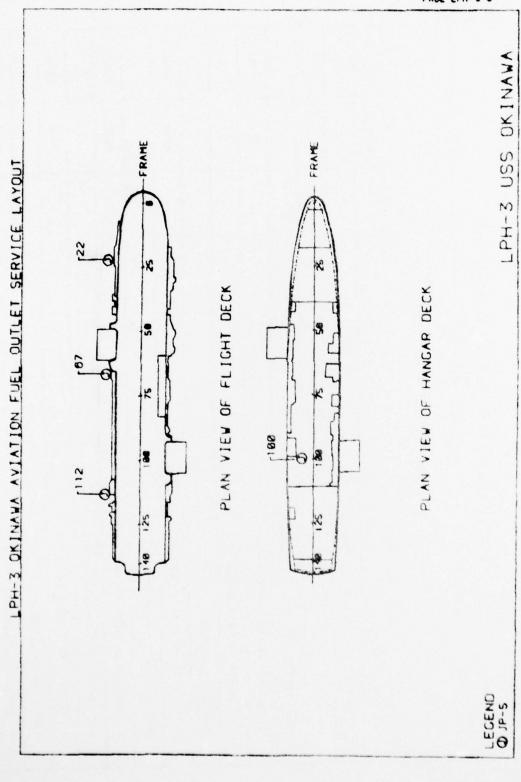
PORTABLE PUMP

DEFUELING CAPACITY PER

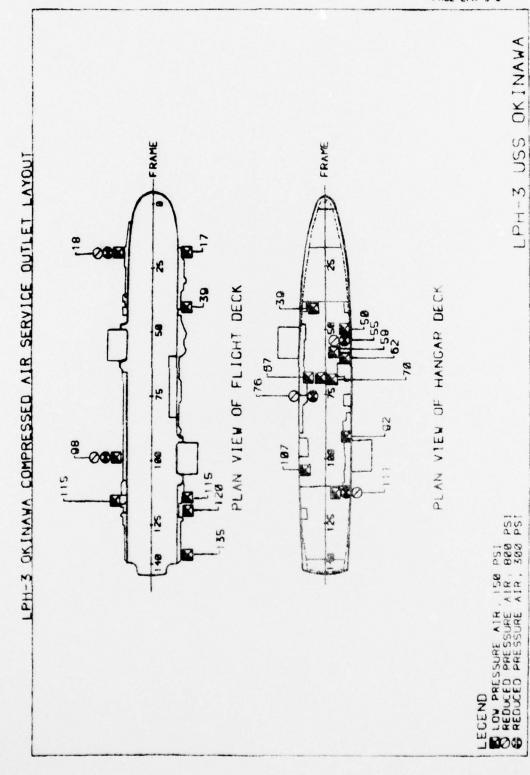
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5-df 350H NOTES S. T. W. V. T.

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SERVICE OUTLETS & 3000 PSI MEDIUM PRESSURE
SSUIRE OUTLETS • 1888 PS! OUTLETS • 1888 PS! NOWE NO
SSURE OUTLETS # 300 PS! SSURE OUTLETS # 1800 PS! OUTLETS # 1800 10 3000 PS! (VARIABLE!) NONE
TLETS # 5000 PS! RE TLETS # 1800 PS! NOWE TLETS # 50002 PS! AIR

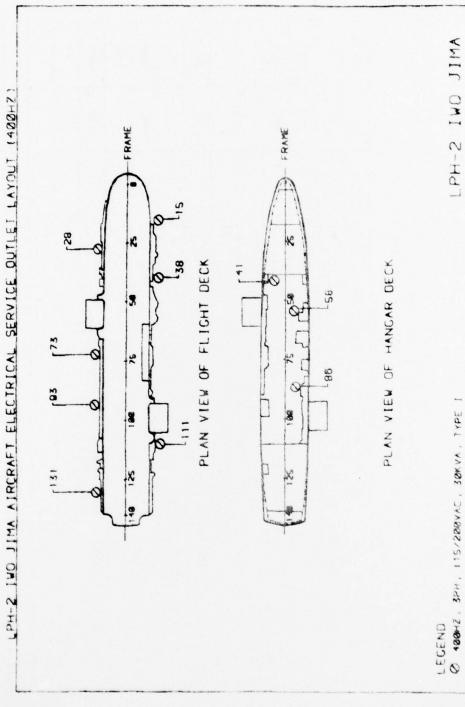


CATECORY recaft Electrical Service Outlet Summary (400 Hz) recaft Electrical Service Outlet Layout (400 Hz) recaft Electrical and Support Equipment rvice Outlet Summary (28.5 VDC, 440 VAC) recaft Electrical and Support Equipment rvice Outlet Layout (28.5 VDC, 440 VAC) tation Fuel Service Summary attion Fuel Service Summary mpressed Air Service Outlet Layout mbat Readiness Station Service Summary vgen and Nitrogen Service Summary vgen and Nitrogen Service Outlet Eavout recaft Inertial Alignment Outlet Box Summary recaft Inertial Alignment Outlet Box Layout recaft Inertial Alignment Outlet Box Layout	PAGE NO	-0	м	•	တလ	7 8	X X X	N N N N N N N N N N N N N N N N N N N	< × × × × × × × × × × × × × × × × × × ×	N / N
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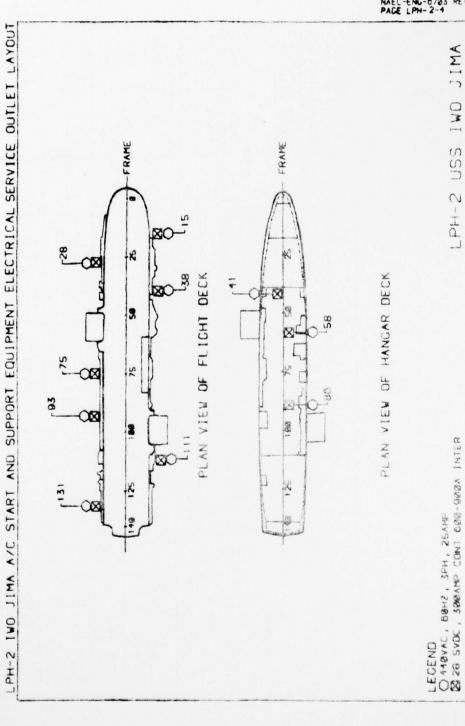
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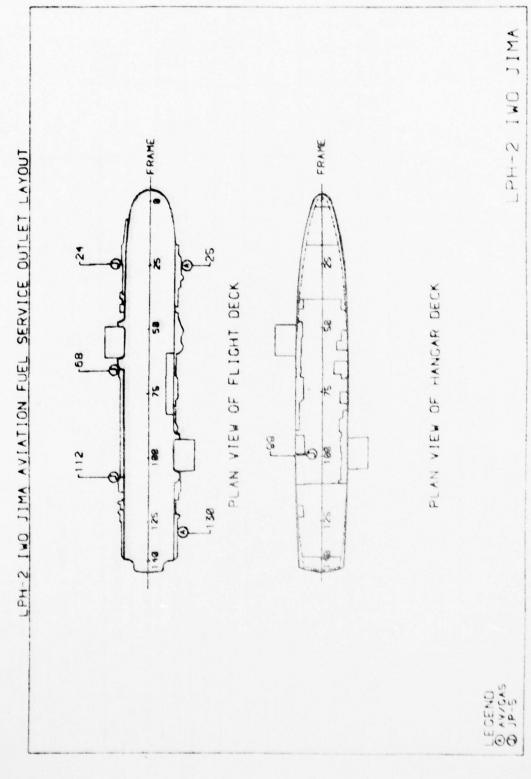
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RY.	FLT DK		7 NONE	304	
AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY 400Hz AIRCRAFT SERVICE	SERVICE OUTLETS 1 400Hz 3PH,115/200 VAC,28KVA,TVpe 1	400HZ AIRCRAFT SERVICE	1 48842 3PH, 115/200 VAC, 28KVA, Type 1 2 48842 3PH, 115/200 VAC, 38KVA, Type 111	4 +60Hz,3PH,115/200 VAC.00KVA,Type 111	



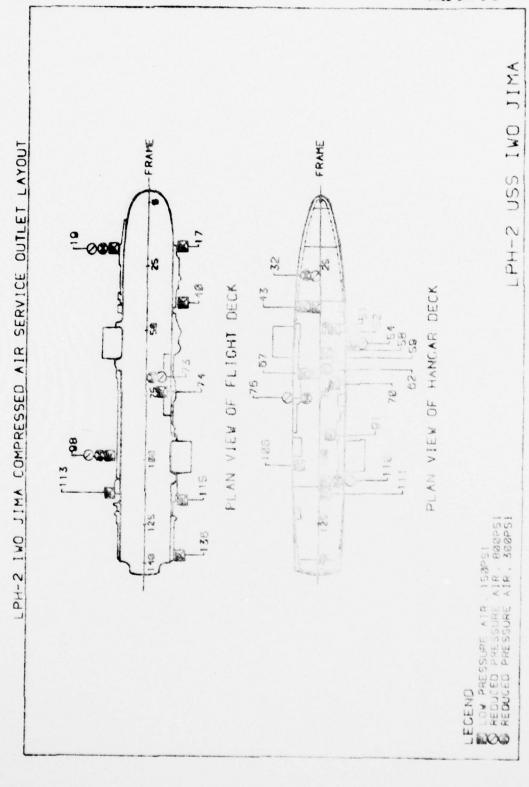
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	5		NO.	ğ		MON		MONE	Ą	NO.		
	FL 98	7	Š	NOKE		AONE	,	NONE	NONE	NONE		
ELECTRICAL SERVICE OUTLET SUMMARY	28 5 VDC A/C SERVICE AND START 448 VAC SUPPORT EQUIPMENT SERVICE	1 448 VAC BOHZ, 3PH, 25 AMP	2 448 VAC, BOHZ, 3PH, BR AMP	3 443 VAC 68Hz, 3PH, 182 AMP	28 S VDC AZC SERVICE AND START	1 28 5 YOC, 200 AMP Continuous	2 28 5 V.C., 320 AMP Cont., 502 to 902 A Inter	3 28 5 VUC, 686 AMP Cont , 680 to 988 A Inter	4 28 5 VDC, 300 AMP cont , 550 to 1000 A Inter	5 28 5 VOC, 850 AMP Cont , 650 to 1880 A Inter		



AVIATION GASOLINE AND JP-S AV/GAS JP-S AV/CAS JP-S 200,442 200,835 ELT DK 2 FLT DK 3 HGR DK 9 HGR DK 10 HGR DK DK 10 HGR D	1 AV.CAS JP-5 AV.CAS JP-5 AV.CAS JP-5 AV.CAS JP-5 FLT DR 2 FLT DR 3 FLT	1ATION GASOLINE AND JP-5 289,442 200,835 290,442 200,835 FLT DK 2 FLT DK FR DK 35 186/36 186/36 1
AV/CAS JP-5 289,442 200,835 ELT DK 2 FLT DK HGR DK 0 HGR DK 2 2 2 2 2 2 2 2 2 2 2 2 2 307LET GPH 108/35 108/35 108/35 108/35 108/35 25 25	AV/CAS JP-5 289,442 200,835 ELT DK 2 FLT DK 3 FL	AV/CAS JP-5 286,442 200,835 ELT DK 2 FLT DK 2 FR 90 HCR DK - 1 1/2" HGSE JP-5.
289,412 200,838 FLT DK 2 FLT DK 4 HGR DK 9 HGR	286,442 200,836 FLI DK 2 FLI DK 400 BK 6 HCR DK	289,442 200,838 FLI DK FLI DK E FLI DK HCR DK 6 HCR DK - 1 1/2" HGSE JP-S.
1	1	FLT DK 2 FR 90 HCR DK - 1 172" HOSE JP-5.
2 180/35	2 180/35	2 1086/35 1086
MA 1000-35 100	MA 1000-35 100	MOTE 1 1986/35
108/35 108/35 NVA 207LET GPH 5/8	108/35 108/35 108/35 N/A 207LET GPM PUMP GPM 25	1 GPH SP SP FLT DK & FR 90 HGR DK - 1 1/2" HOSE JP
100e/35 N/A SPH SPH	CPH SPH SPH	1 GPH GPH CAPH CAPH CAPH EXCEPT FR 24 FLT DK & FR 90 HGR DK - 1 1/2" HOSE JP
р. м.	PH 28	1 GPH GPH GPH EXCEPT FR 24 FLT DK & FR 90 HGR DK - 1 1/2" HOSE JP
85 SS	95 SS	CPM 256 CPM 256 EXCEPT FR 24 FLT DK & FR 90 HCR OK - 1 1/2" HOSE JP-5
УУ	Ж.	EXCEPT FR 24 FLT DX & FR 90 HGR DX - 1 1/2" HOSE JP-5
		EXCEPT FR 24 FLT DK & FR 90 HCR DK -
		EXCEPT FR 24 FLT DK & FR 90 HCR DK -



COMPRESSED AIR SERVICE SUMMARY	The state of the s	
COMPRESSED AIR		
LOW PRESSURE	FLT DK	¥0 951
1 SERVICE DUTLETS 8 150 PSI	80	-
REDUCED PRESSURE		
SERVICE OUTLETS # 300 PS!	3	-
SERVICE QUILETS . 800 PSI	3	•
MEDIUM PRESSURE		
SERVICE GUTLETS & 1800 PS!	NONE	SI SON
MEDIUM TO HIGH PRESSURE		
SERVICE GUTLETS . 1888 10 3888 PSI (YARIABLE)	NONE	NOM
ICH PRESSURE		
SERVICE OUTLETS . 3000 PS!	NOME	NO.
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SERVICE OUTLETS .	NONE	KOAE
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REVISION LIST

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